



# Aberdeen Technical Services and General Transportation

3-1/2" DRILL PIPES ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 CATEGORY 4 - INSPECTION CERTIFICATE

Aberdeen Technical Services

www.aberdeents-iq.com

Iraq -Basra - AlBarjisia

Tel: +964 782222242 +964 7858908960

Emails:

Yasser.ops@aberdeents-iq.com

inspection@aberdeents-iq.com

CUSTOMER:	Hilong Oil Services & Engineering			LOCATION:	ABERDEEN YARD	RIG No:	HL-101	DATE OF WORK:	22-Oct-25
PIPE NOMINAL OD:	3 1/2"			WEIGHT:	13.30 PPF	GRADE:	G-105	CERTIFICATE NO:	ATS-10-25-5155-01
TYPE OF INSPECTION:	CATEGORY 4			CONNECTION:	NC 38	STANDARD:	DS-1 Fifth Edition, Volume 3,		

### INSPECTION METHODS

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	✓	Dimensional 2	✓	UT Wall thickness	✓
EMI	✓	Special End Area	✓	OD Gauge	✓	TH Profile Gauge	✓	DPT	✓	UFD OF SLIP UPSET AREA	✓		

S. NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)							BOX DIMENSION (INCHES)							MPI OF SLIP/UPSET AREA		UT SLIP/UPSET		VISUAL CONNECTION INSPECTION		BLACK LINGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN LD	PIN NECK LTH	PIN SHOUL WIDTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH.	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING.	P/T EXTERNAL CLEANING.	BODY CONDITION.	PC	C2					C3	C4			
1	240019381	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-5/16"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.374"	Acc.	OK	✓	..	..	-	..	READY TO USE	
2	240019333	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-5/16"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.375"	Acc.	OK	✓	..	-	..	..	READY TO USE	
3	240019514	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-5/16"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.385"	Acc.	OK	✓	..	-	-	-	READY TO USE	
4	240019674	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-5/16"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.379"	Acc.	OK	✓	..	-	-	-	READY TO USE	
5	240019458	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-3/16"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.384"	Acc.	OK	✓	..	-	-	-	READY TO USE	
6	240019386	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-3/16"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.395"	Acc.	OK	✓	..	-	-	-	READY TO USE	
7	240019612	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.393"	Acc.	OK	✓	..	-	-	-	READY TO USE	
8	240019548	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.379"	Acc.	OK	✓	..	-	-	-	READY TO USE	
9	240019647	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-5/16"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.384"	Acc.	OK	✓	..	-	-	-	READY TO USE	
10	240019605	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.377"	Acc.	OK	✓	..	-	-	-	READY TO USE	
11	240019599	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.379"	Acc.	OK	✓	..	-	-	-	READY TO USE	
12	240019528	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.369"	Acc.	OK	✓	..	-	-	-	READY TO USE	
13	240019092	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.384"	Acc.	OK	✓	..	-	-	-	READY TO USE	
14	240019654	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/8"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.375"	Acc.	OK	✓	..	-	-	-	READY TO USE	
15	240019468	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/8"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.389"	Acc.	OK	✓	..	-	-	-	READY TO USE	

**Result: 15 Joints above were found "Acceptable" At time of Inspection Premium Class (P/C) (Ready To Use).**

ABBREVIATIONS USED		REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION		CLASSIFICATION OF DRILL PIPE		QR Code
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC):	TOTAL DRILL PIPE INSPECTED	15	PC = PREMIUM CLASS	15	
L.P = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1 = 100%, 2=99-71%, 3=70-40% 4=Up to 40%	DRILL PIPE NEED TO BE RE CUT	NIL	C2 = CLASS II		
S.P = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD		DRILL PIPE NEED TO BE RE FACE	NIL	C3 = CLASSA III		
P/T.I.C = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT		INT/EXT PITTING GRADING SYSTEM	DRILL PIPE NEED TO BE STRAIGHT	NIL	C4 = CLASSA IV		
P/T.E.C = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING		L= LIGHT, M=MODERATE, S= SEVERE	DRILL PIPE JUNK	NIL			
IPC = INTERNAL PLASTIC COATING.	CR = CRACK		UPSET OR SLIP AREA PIN, BOX					
CSA = CROSS SECTION AREA	BS =BOX SWELL		Magnetic Particle inspection By AC Yoke					
	RB = RE BEVEL		TO MPI 48" FROM BOX AND 36" FROM PIN	DRILL PIPE USEABLE				

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			PERSONNEL DETAILS		REVIEW BY	
AC YOKE S.N:	201504053	CAL DUE DATE:	08/11/2025	White Contrast WCP-2 MANUFACTURE	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:	
UT THICKNESS GAUGE: OD GAGE	4482 1214588	CAL DUE DATE:	08/11/2025		Magnaflux	190903	9/11/2026	TAYYAB ABBASI	Hasan Omran	
DC COIL: EMI	025 TSEZW05152269	CAL DUE DATE:	08/11/2025		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:	
BLACK LIGHT:	20150428	CAL DUE DATE:	08/11/2025					ASNT LEVEL II VT, MT, PT, UT	Hasan Omran	
INTENSITY METER: UFD H/ATEC/ FD350 Calibration Block Type :	1965921 U02614351048 V1 (SR # 506233)	CAL DUE DATE:	08.Nov.2025		Black Magnetic Ink 7HF	Magnaflux	190401	4/11/2026	SIGNATURE & STAMP	CLIENT:
UVA LIGHT INTENSITY:	2300 µw/cm²	CAL DUE DATE:	08.Nov.2025	Fluorescent Magnetic Ink 14HF	MANUFACTURE	BATCH NO	EXPIRE DATE			
Concentration:	0.1 to 0.4 ml/100 ml	CAL DUE DATE:	08.Nov.2025		Magnaflux	190304	FEB.2026			





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CUSTOMER:	Hilong Oil Services & Engineering			LOCATION:	ABERDEEN YARD	RIG No:	HL-101	DATE OF WORK:	22-Oct-25
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38	WIEGHT:	13.30 PPF	GRADE:	G-105	CERTIFICATE NO:	ATS-10-25-5155-02
TYPE OF INSPECTION:	CATEGORY 4	STANDARD: DS-1 Fifth Edition, Volume 3.							

### INSPECTION METHODS

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	✓	Dimensional 2	✓	UT Wall thickness	✓
EMI	✓	Special End Area	✓	OD Gauge	✓	TH Profile Gauge	✓	DPT	✓	UFD OF SLIP UPSET AREA			

S. NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP/UPSET AREA		UT SLIP/UPSET		VISUAL CONNECTION INSPECTION		BLACK LINGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS	
		PIN OD.	PIN LD	PIN NECK LTH	PIN SHOUL WIDTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH.	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING.	P/T EXTERNAL CLEANING.	BODY CONDITION.					PC	C2	C3	C4		
16	240019533	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.377"	Acc.	OK	✓	..	..	-	..	READY TO USE
17	240019345	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.378"	Acc.	OK	✓	..	-	..	..	READY TO USE
18	240019339	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.382"	Acc.	OK	✓	..	-	-	..	READY TO USE
19	240019660	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.369"	Acc.	OK	✓	..	-	-	..	READY TO USE
20	240019573	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.374"	Acc.	OK	✓	..	-	-	..	READY TO USE
21	240019510	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.385"	Acc.	OK	✓	..	-	-	..	READY TO USE
22	240019452	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.373"	Acc.	OK	✓	..	-	-	..	READY TO USE
23	240019454	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/8"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.389"	Acc.	OK	✓	..	-	-	..	READY TO USE
24	240019429	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-5/16"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.374"	Acc.	OK	✓	..	-	-	..	READY TO USE
25	240019366	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-5/16"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.371"	Acc.	OK	✓	..	-	-	..	READY TO USE
26	240019384	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.375"	Acc.	OK	✓	..	-	-	..	READY TO USE
27	240019620	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.379"	Acc.	OK	✓	..	-	-	..	READY TO USE
28	240019459	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.379"	Acc.	OK	✓	..	-	-	..	READY TO USE
29	240019658	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.372"	Acc.	OK	✓	..	-	-	..	READY TO USE
30	240019346	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.369"	Acc.	OK	✓	..	-	-	..	READY TO USE

**Result: 15 Joints above were found "Acceptable" At time of Inspection Premium Class (P/C) (Ready To Use).**

ABBREVIATIONS USED		REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION		CLASSIFICATION OF DRILL PIPE		QR Code
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC):	TOTAL DRILL PIPE INSPECTED	15	PC = PREMIUM CLASS	15	
L.P = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= 100%, 2=99-71%, 3=70-40% 4=Up to 40%	DRILL PIPE NEED TO BE RE CUT	NIL	C2 = CLASS II		
S.P = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD		DRILL PIPE NEED TO BE RE FACE	NIL	C3 = CLASSA III		
P/T.I.C = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT		INT/EXT PITTING GRADING SYSTEM	DRILL PIPE NEED TO BE STRAIGHT	NIL	C4 = CLASSA IV		
P/T.I.C = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING		L= LIGHT, M=MODERATE, S= SEVERE	DRILL PIPE JUNK	NIL			
IPC = INTERNAL PLASTIC COATING.	CR = CRACK		UPSET OR SLIP AREA PIN, BOX					
CSA = CROSS SECTION AREA	BS =BOX SWELL		Magnetic Particle inspection By AC Yoke					
	RB = RE BEVEL		TO MPI 48" FROM BOX AND 36" FROM PIN	DRILL PIPE USEABLE				

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			PERSONNEL DETAILS		REVIEW BY	
AC YOKE S.N:	201504053	CAL DUE DATE:	08/11/2025	White Contrast WCP-2 MANUFACTURE	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:	
UT THICKNESS GAUGE: OD GAGE	4482 1214588	CAL DUE DATE:	08/11/2025		Magnaflux	190903	9/1/2026	TAYYAB ABBASI	Hasan Omran	
DC COIL: EMI	025 TSEZW05152269	CAL DUE DATE:	08/11/2025		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:	
BLACK LIGHT:	20150428	CAL DUE DATE:	08/11/2025					ASNT LEVEL II VT, MT, PT, UT	Hasan Omran	
INTENSITY METER: UFD H/ATEC/ FD350 Calibration Block Type :	1965921 U02614351048 V1 (SR # 506233)	CAL DUE DATE:	08.Nov.2025		Black Magnetic Ink 7HF	Magnaflux	190401	4/1/2026	SIGNATURE & STAMP	CLIENT:
UVA LIGHT INTENSITY:	2300 µw/cm²	CAL DUE DATE:	08.Nov.2025	Fluorescent Magnetic Ink 14HF	MANUFACTURE	BATCH NO	EXPIRE DATE			
Concentration:	0.1 to 0.4 ml/100 ml	CAL DUE DATE:	08.Nov.2025		Magnaflux	190304	FEB.2026			





# Aberdeen Technical Services and General Transportation

3-1/2" DRILL PIPES ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 CATEGORY 4 - INSPECTION CERTIFICATE

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CUSTOMER:	Hilong Oil Services & Engineering			LOCATION:	ABERDEEN YARD	RIG No:	HL-101	DATE OF WORK:	22-Oct-25
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38	WIEGHT:	13.30 PPF	GRADE:	G-105	CERTIFICATE NO:	ATS-10-25-5155-03
TYPE OF INSPECTION:	CATEGORY 4	STANDARD: DS-1 Fifth Edition, Volume 3,							

### INSPECTION METHODS

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	✓	Dimensional 2	✓	UT Wall thickness	✓
EMI	✓	Special End Area	✓	OD Gauge	✓	TH Profile Gauge	✓	DPT	✓	UFD OF SLIP UPSET AREA			

S. NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP/UPSET AREA		UT SLIP/UPSET		VISUAL CONNECTION INSPECTION		BLACK LINGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS	
		PIN OD.	PIN LD	PIN NECK LTH	PIN SHOUL WIDTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH.	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING.	P/T EXTERNAL CLEANING.	BODY CONDITION.					PC	C2	C3	C4		
31	240019485	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.372"	Acc.	OK	✓	..	..	-	..	READY TO USE
32	240019627	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.388"	Acc.	OK	✓	..	-	..	..	READY TO USE
33	240019608	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.385"	Acc.	OK	✓	..	-	-	-	READY TO USE
34	240019528	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.379"	Acc.	OK	✓	..	-	-	-	READY TO USE
35	240019606	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.378"	Acc.	OK	✓	..	-	-	-	READY TO USE
36	240019641	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.395"	Acc.	OK	✓	..	-	-	-	READY TO USE
37	240019330	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.383"	Acc.	OK	✓	..	-	-	-	READY TO USE
38	240019474	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.375"	Acc.	OK	✓	..	-	-	-	READY TO USE
39	240019578	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.371"	Acc.	OK	✓	..	-	-	-	READY TO USE
40	240019644	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.379"	Acc.	OK	✓	..	-	-	-	READY TO USE
41	240019354	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.385"	Acc.	OK	✓	..	-	-	-	READY TO USE
42	240019622	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.389"	Acc.	OK	✓	..	-	-	-	READY TO USE
43	240019451	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.369"	Acc.	OK	✓	..	-	-	-	READY TO USE
44	240019439	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.373"	Acc.	OK	✓	..	-	-	-	READY TO USE
45	240019631	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.379"	Acc.	OK	✓	..	-	-	-	READY TO USE

**Result: 15 Joints above were found "Acceptable" At time of Inspection Premium Class (P/C) (Ready To Use).**

ABBREVIATIONS USED		REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION		CLASSIFICATION OF DRILL PIPE		QR Code
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC):	TOTAL DRILL PIPE INSPECTED	15	PC = PREMIUM CLASS	15	
L.P = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= 100%, 2=99-71%, 3=70-40% 4=Up to 40%	DRILL PIPE NEED TO BE RE CUT	NIL	C2 = CLASS II		
S.P = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD		DRILL PIPE NEED TO BE RE FACE	NIL	C3 = CLASSA III		
P/T.I.C = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT		INT/EXT PITTING GRADING SYSTEM	DRILL PIPE NEED TO BE STRAIGHT	NIL	C4 = CLASSA IV		
P/T.I.C = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING		L= LIGHT, M=MODERATE, S= SEVERE	DRILL PIPE JUNK	NIL			
IPC = INTERNAL PLASTIC COATING.	CR = CRACK		UPSET OR SLIP AREA PIN, BOX					
CSA = CROSS SECTION AREA	BS =BOX SWELL		Magnetic Particle inspection By AC Yoke					
	RB = RE BEVEL		TO MPI 48" FROM BOX AND 36" FROM PIN	DRILL PIPE USEABLE				

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			PERSONNEL DETAILS		REVIEW BY	
AC YOKE S.N:	201504053	CAL DUE DATE:	08/11/2025	White Contrast WCP-2 MANUFACTURE	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:	
UT THICKNESS GAUGE: OD GAGE	4482 1214588	CAL DUE DATE:	08/11/2025		Magnaflux	190903	9/1/2026	TAYYAB ABBASI	Hasan Omran	
DC COIL: EMI	025 TSEZW05152269	CAL DUE DATE:	08/11/2025		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:	
BLACK LIGHT:	20150428	CAL DUE DATE:	08/11/2025					ASNT LEVEL II VT, MT, PT, UT	Hasan Omran	
INTENSITY METER: UFD H/ATEC/ FD350 Calibration Block Type :	1965921 U02614351048 V1 (SR # 506233)	CAL DUE DATE:	08.Nov.2025		Black Magnetic Ink 7HF	Magnaflux	190401	4/1/2026	SIGNATURE & STAMP	CLIENT:
UVA LIGHT INTENSITY:	2300 µw/cm²	CAL DUE DATE:	08.Nov.2025	Fluorescent Magnetic Ink 14HF	MANUFACTURE	BATCH NO	EXPIRE DATE			
Concentration:	0.1 to 0.4 ml/100 ml	CAL DUE DATE:	08.Nov.2025		Magnaflux	190304	FEB.2026			





# Aberdeen Technical Services and General Transportation

3-1/2" DRILL PIPES ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 CATEGORY 4 - INSPECTION CERTIFICATE

Aberdeen Technical Services

www.aberdeents-iq.com

Iraq -Basra - AlBarjisia

Tel: +964 782222242 +964 7858908960

Emails:

Yasser.ops@aberdeents-iq.com

inspection@aberdeents-iq.com

CUSTOMER:	Hilong Oil Services & Engineering			LOCATION:	ABERDEEN YARD	RIG No:	HL-101	DATE OF WORK:	22-Oct-25
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38	WIEGHT:	13.30 PPF	GRADE:	G-105	CERTIFICATE NO:	ATS-10-25-5155-04
TYPE OF INSPECTION:	CATEGORY 4	STANDARD: DS-1 Fifth Edition, Volume 3.							

### INSPECTION METHODS

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	✓	Dimensional 2	✓	UT Wall thickness	✓
EMI	✓	Special End Area	✓	OD Gauge	✓	TH Profile Gauge	✓	DPT	✓	UFD OF SLIP UPSET AREA			

S. NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP/UPSET AREA		UT SLIP/UPSET		VISUAL CONNECTION INSPECTION		BLACK LINGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS	
		PIN OD.	PIN LD	PIN NECK LTH	PIN SHOUL WIDTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH.	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING.	P/T EXTERNAL CLEANING.	BODY CONDITION.					PC	C2	C3	C4		
46	240019695	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.382"	Acc.	OK	✓	..	..	-	..	READY TO USE
47	240019347	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.378"	Acc.	OK	✓	..	-	..	..	READY TO USE
48	240019710	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.375"	Acc.	OK	✓	..	-	-	-	READY TO USE
49	240019365	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.369"	Acc.	OK	✓	..	-	-	-	READY TO USE
50	240019484	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.371"	Acc.	OK	✓	..	-	-	-	READY TO USE
51	240019623	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.375"	Acc.	OK	✓	..	-	-	-	READY TO USE
52	240019563	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.385"	Acc.	OK	✓	..	-	-	-	READY TO USE
53	240019388	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.379"	Acc.	OK	✓	..	-	-	-	READY TO USE
54	240019427	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.377"	Acc.	OK	✓	..	-	-	-	READY TO USE
55	240019572	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.369"	Acc.	OK	✓	..	-	-	-	READY TO USE
56	240019359	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.365"	Acc.	OK	✓	..	-	-	-	READY TO USE
57	240019515	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.379"	Acc.	OK	✓	..	-	-	-	READY TO USE
58	240019688	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.376"	Acc.	OK	✓	..	-	-	-	READY TO USE
59	240019554	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.375"	Acc.	OK	✓	..	-	-	-	READY TO USE
60	240019532	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.374"	Acc.	OK	✓	..	-	-	-	READY TO USE

**Result: 15 Joints above were found "Acceptable" At time of Inspection Premium Class (P/C) (Ready To Use).**

ABBREVIATIONS USED		REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION		CLASSIFICATION OF DRILL PIPE		QR Code
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC):	TOTAL DRILL PIPE INSPECTED	15	PC = PREMIUM CLASS	15	
L.P = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= 100%, 2=99-71%, 3=70-40% 4=Up to 40%	DRILL PIPE NEED TO BE RE CUT	NIL	C2 = CLASS II		
S.P = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD		DRILL PIPE NEED TO BE RE FACE	NIL	C3 = CLASSA III		
P/T.I.C = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT		INT/EXT PITTING GRADING SYSTEM	DRILL PIPE NEED TO BE STRAIGHT	NIL	C4 = CLASSA IV		
P/T.I.C = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING		L= LIGHT, M=MODERATE, S= SEVERE	DRILL PIPE JUNK	NIL			
IPC = INTERNAL PLACTIC COATING.	CR = CRACK		UPSET OR SLIP AREA PIN, BOX					
CSA = CROSS SECTION AREA	BS =BOX SWELL		Magnetic Particle inspection By AC Yoke					
	RB = RE BEVEL		TO MPI 48" FROM BOX AND 36" FROM PIN	DRILL PIPE USEABLE				

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			PERSONNEL DETAILS		REVIEW BY	
AC YOKE S.N:	201504053	CAL DUE DATE:	08/11/2025	White Contrast WCP-2 MANUFACTURE	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:	
UT THICKNESS GAUGE: OD GAGE	4482 1214588	CAL DUE DATE:	08/11/2025		Magnaflux	190903	9/1/2026	TAYYAB ABBASI	Hasan Omran	
DC COIL: EMI	025 TSEZW05152269	CAL DUE DATE:	08/11/2025		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:	
BLACK LIGHT:	20150428	CAL DUE DATE:	08/11/2025					ASNT LEVEL II VT, MT, PT, UT	Hasan Omran	
INTENSITY METER: UFD H/ATEC/ FD350 Calibration Block Type :	1965921 U02614351048 V1 (SR # 506233)	CAL DUE DATE:	08.Nov.2025		Black Magnetic Ink 7HF	Magnaflux	190401	4/1/2026	SIGNATURE & STAMP	CLIENT:
UVA LIGHT INTENSITY:	2300 µw/cm²	CAL DUE DATE:	08.Nov.2025	Fluorescent Magnetic Ink 14HF	MANUFACTURE	BATCH NO	EXPIRE DATE			
Concentration:	0.1 to 0.4 ml/100 ml	CAL DUE DATE:	08.Nov.2025		Magnaflux	190304	FEB.2026			





# Aberdeen Technical Services and General Transportation

3-1/2" DRILL PIPES ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 CATEGORY 4 - INSPECTION CERTIFICATE

Aberdeen Technical Services

www.aberdeents-iq.com

Iraq - Basra - AlBarjisia

Tel: +964 782222242 +964 7858908960

Emails:

Yasser.ops@aberdeents-iq.com

inspection@aberdeents-iq.com

CUSTOMER:	Hilong Oil Services & Engineering			LOCATION:	ABERDEEN YARD	RIG No:	HL-101	DATE OF WORK:	22-Oct-25
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38	WIEGHT:	13.30 PPF	GRADE:	G-105	CERTIFICATE NO:	ATS-10-25-5155-05
TYPE OF INSPECTION:	CATEGORY 4				STANDARD:		DS-1 Fifth Edition, Volume 3,		

### INSPECTION METHODS

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	✓	Dimensional 2	✓	UT Wall thickness	✓
EMI	✓	Special End Area	✓	OD Gauge	✓	TH Profile Gauge	✓	DPT	✓	UFD OF SLIP UPSET AREA			

S. NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)							BOX DIMENSION (INCHES)						MPI OF SLIP UPSET AREA		UT SLIP UPSET		VISUAL CONNECTION INSPECTION		BLACK LINGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN LD	PIN NECK LTH	PIN SHOUL WIDTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH.	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING.	P/T EXTERNAL CLEANING.	BODY CONDITION.	PC	C2					C3	C4			
61	240019616	5"	2-7/16"	18/32"	17/32"	4-5/8"	9-13/16"	5"	1/2"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.383"	Acc.	OK	✓	..	..	-	..	READY TO USE	
62	240019542	5"	2-7/16"	18/32"	17/32"	4-5/8"	9-13/16"	5"	1/2"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.379"	Acc.	OK	✓	..	-	..	..	READY TO USE	
63	240019618	5"	2-7/16"	18/32"	17/32"	4-5/8"	9-3/4"	5"	1/2"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.377"	Acc.	OK	✓	..	-	-	..	READY TO USE	
64	240019481	5"	2-7/16"	18/32"	17/32"	4-5/8"	9-13/16"	5"	1/2"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.375"	Acc.	OK	✓	..	-	-	..	READY TO USE	
65	240019613	5"	2-7/16"	18/32"	17/32"	4-5/8"	9-3/4"	5"	1/2"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.381"	Acc.	OK	✓	..	-	-	..	READY TO USE	
66	240019129	5"	2-7/16"	18/32"	17/32"	4-5/8"	9-3/4"	5"	1/2"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.385"	Acc.	OK	✓	..	-	-	..	READY TO USE	
67	240019422	5"	2-7/16"	18/32"	17/32"	4-5/8"	9-3/4"	5"	1/2"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.379"	Acc.	OK	✓	..	-	-	..	READY TO USE	
68	240019522	5"	2-7/16"	18/32"	17/32"	4-5/8"	9-13/16"	5"	1/2"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.391"	Acc.	OK	✓	..	-	-	..	READY TO USE	
69	240019681	5"	2-7/16"	18/32"	17/32"	4-5/8"	9-3/4"	5"	1/2"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.367"	Acc.	OK	✓	..	-	-	..	READY TO USE	
70	240019673	5"	2-7/16"	18/32"	17/32"	4-5/8"	9-3/4"	5"	1/2"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.363"	Acc.	OK	✓	..	-	-	..	READY TO USE	
71	240019540	5"	2-7/16"	18/32"	17/32"	4-5/8"	9-3/4"	5"	1/2"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.365"	Acc.	OK	✓	..	-	-	..	READY TO USE	
72	240019439	5"	2-7/16"	18/32"	17/32"	4-5/8"	9-3/4"	5"	1/2"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.379"	Acc.	OK	✓	..	-	-	..	READY TO USE	
73	240019521	5"	2-7/16"	18/32"	17/32"	4-5/8"	9-13/16"	5"	1/2"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.366"	Acc.	OK	✓	..	-	-	..	READY TO USE	
74	240019596	5"	2-7/16"	18/32"	17/32"	4-5/8"	9-3/4"	5"	1/2"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.371"	Acc.	OK	✓	..	-	-	..	READY TO USE	
75	240019690	5"	2-7/16"	18/32"	17/32"	4-5/8"	9-3/4"	5"	1/2"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.372"	Acc.	OK	✓	..	-	-	..	READY TO USE	

**Result: 15 Joints above were found "Acceptable" At time of Inspection Premium Class (P/C) (Ready To Use).**

ABBREVIATIONS USED		REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION		CLASSIFICATION OF DRILL PIPE		QR Code
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC):	TOTAL DRILL PIPE INSPECTED	15	PC = PREMIUM CLASS	15	
L.P = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= 100%, 2=99-71%, 3=70-40% 4=Up to 40%	DRILL PIPE NEED TO BE RE CUT	NIL	C2 = CLASS II		
S.P = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD		DRILL PIPE NEED TO BE RE FACE	NIL	C3 = CLASSA III		
P/T.I.C = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT		INT/EXT PITTING GRADING SYSTEM	DRILL PIPE NEED TO BE STRAIGHT	NIL	C4 = CLASSA IV		
P/T.I.C = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING		L= LIGHT, M=MODERATE, S= SEVERE	DRILL PIPE JUNK	NIL			
IPC = INTERNAL PLASTIC COATING.	CR = CRACK		UPSET OR SLIP AREA PIN, BOX					
CSA = CROSS SECTION AREA	BS =BOX SWELL		Magnetic Particle inspection By AC Yoke					
	RB = RE BEVEL		TO MPI 48" FROM BOX AND 36" FROM PIN	DRILL PIPE USEABLE				

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			PERSONNEL DETAILS		REVIEW BY	
AC YOKE S.N:	201504053	CAL DUE DATE:	08/11/2025	White Contrast WCP-2 MANUFACTURE	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:	
UT THICKNESS GAUGE: OD GAGE	4482 1214588	CAL DUE DATE:	08/11/2025		Magnaflux	190903	9/1/2026	TAYYAB ABBASI	Hasan Omran	
DC COIL: EMI	025 TSEZW05152269	CAL DUE DATE:	08/11/2025		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:	
BLACK LIGHT:	20150428	CAL DUE DATE:	08/11/2025					ASNT LEVEL II VT, MT, PT, UT	Hasan Omran	
INTENSITY METER: UFD H/ATEC/ FD350 Calibration Block Type :	1965921 U02614351048 V1 (SR # 506233)	CAL DUE DATE:	08.Nov.2025		Black Magnetic Ink 7HF	Magnaflux	190401	4/1/2026	SIGNATURE & STAMP	CLIENT:
UVA LIGHT INTENSITY:	2300 µw/cm²	CAL DUE DATE:	08.Nov.2025	Fluorescent Magnetic Ink 14HF	MANUFACTURE	BATCH NO	EXPIRE DATE			
Concentration:	0.1 to 0.4 ml/100 ml	CAL DUE DATE:	08.Nov.2025		Magnaflux	190304	FEB.2026			





# Aberdeen Technical Services and General Transportation

3-1/2" DRILL PIPES ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 CATEGORY 4 - INSPECTION CERTIFICATE

Aberdeen Technical Services

www.aberdeents-iq.com

Iraq -Basra - AlBarjisia

Tel: +964 782222242 +964 7858908960

Emails:

Yasser.ops@aberdeents-iq.com

inspection@aberdeents-iq.com

CUSTOMER:	Hilong Oil Services & Engineering			LOCATION:	ABERDEEN YARD	RIG No:	HL-101	DATE OF WORK:	22-Oct-25
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38	WIEGHT:	13.30 PPF	GRADE:	G-105	CERTIFICATE NO:	ATS-10-25-5155-06
TYPE OF INSPECTION:	CATEGORY 4	STANDARD: DS-1 Fifth Edition, Volume 3.							

### INSPECTION METHODS

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	✓	Dimensional 2	✓	UT Wall thickness	✓
EMI	✓	Special End Area	✓	OD Gauge	✓	TH Profile Gauge	✓	DPT	✓	UFD OF SLIP UPSET AREA			

S. NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)							BOX DIMENSION (INCHES)					MPI OF SLIP/UPSET AREA		UT SLIP/UPSET		VISUAL CONNECTION INSPECTION		BLACK LINGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS	
		PIN OD.	PIN LD	PIN NECK LTH	PIN SHOUL WIDTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH.	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING.	P/T EXTERNAL CLEANING.	BODY CONDITION.					PC	C2	C3	C4		
76	240019406	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.363"	Acc.	OK	✓	..	..	-	..	READY TO USE
77	240019539	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.372"	Acc.	OK	✓	..	-	..	..	READY TO USE
78	240019519	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.367"	Acc.	OK	✓	..	-	-	-	READY TO USE
79	240019602	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.385"	Acc.	OK	✓	..	-	-	-	READY TO USE
80	240019557	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.371"	Acc.	OK	✓	..	-	-	-	READY TO USE
81	240019469	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.365"	Acc.	OK	✓	..	-	-	-	READY TO USE
82	240019466	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-5/16"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.375"	Acc.	OK	✓	..	-	-	-	READY TO USE
83	240019430	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.371"	Acc.	OK	✓	..	-	-	-	READY TO USE
84	240019610	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-5/16"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.387"	Acc.	OK	✓	..	-	-	-	READY TO USE
85	240019682	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-5/16"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.373"	Acc.	OK	✓	..	-	-	-	READY TO USE
86	240019348	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-5/16"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.379"	Acc.	OK	✓	..	-	-	-	READY TO USE
87	240019378	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.369"	Acc.	OK	✓	..	-	-	-	READY TO USE
88	240019640	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.367"	Acc.	OK	✓	..	-	-	-	READY TO USE
89	240019635	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-5/16"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.381"	Acc.	OK	✓	..	-	-	-	READY TO USE
90	240019376	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.375"	Acc.	OK	✓	..	-	-	-	READY TO USE

**Result: 15 Joints above were found "Acceptable" At time of Inspection Premium Class (P/C) (Ready To Use).**

ABBREVIATIONS USED		REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION		CLASSIFICATION OF DRILL PIPE		QR Code
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC):	TOTAL DRILL PIPE INSPECTED	15	PC = PREMIUM CLASS	15	
L.P = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= 100%, 2=99-71%, 3=70-40% 4=Up to 40%	DRILL PIPE NEED TO BE RE CUT	NIL	C2 = CLASS II		
S.P = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD		DRILL PIPE NEED TO BE RE FACE	NIL	C3 = CLASSA III		
P/T.I.C = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT		INT/EXT PITTING GRADING SYSTEM	DRILL PIPE NEED TO BE STRAIGHT	NIL	C4 = CLASSA IV		
P/T.I.C = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING		L= LIGHT, M=MODERATE, S= SEVERE	DRILL PIPE JUNK	NIL			
IPC = INTERNAL PLASTIC COATING.	CR = CRACK		UPSET OR SLIP AREA PIN, BOX					
CSA = CROSS SECTION AREA	BS =BOX SWELL		Magnetic Particle inspection By AC Yoke					
	RB = RE BEVEL		TO MPI 48" FROM BOX AND 36" FROM PIN	DRILL PIPE USEABLE				

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			PERSONNEL DETAILS		REVIEW BY	
AC YOKE S.N:	201504053	CAL DUE DATE:	08/11/2025	White Contrast WCP-2 MANUFACTURE	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:	
UT THICKNESS GAUGE:	4482	CAL DUE DATE:	08/11/2025		Magnaflux	190903	9/1/2026	TAYYAB ABBASI	Hasan Omran	
OD GAGE:	1214588	CAL DUE DATE:	08/11/2025							
DC COIL:	025	CAL DUE DATE:	08/11/2025		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:	
EMI:	TSEZW05152269	CAL DUE DATE:	08/11/2025					ASNT LEVEL II VT, MT, PT, UT	Hasan Omran	
BLACK LIGHT:	20150428	CAL DUE DATE:	08/11/2025	Black Magnetic Ink 7HF	Magnaflux	190401	4/1/2026	SIGNATURE & STAMP	CLIENT:	
INTENSITY METER:	1965921	CAL DUE DATE:	08.Nov.2025							
UFD H/ATEC/ FD350 Calibration Block Type :	U02614351048 V1 (SR # 506233)	CAL DUE DATE:	08.Nov.2025							
UVA LIGHT INTENSITY:	2300 µw/cm²	CAL DUE DATE:	08.Nov.2025	Fluorescent Magnetic Ink 14HF	MANUFACTURE	BATCH NO	EXPIRE DATE			
Concentration:	0.1 to 0.4 ml/100 ml	CAL DUE DATE:	08.Nov.2025			Magnaflux	190304	FEB.2026		





# Aberdeen Technical Services and General Transportation

3-1/2" DRILL PIPES ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 CATEGORY 4 - INSPECTION CERTIFICATE

Aberdeen Technical Services

www.aberdeents-iq.com

Iraq -Basra - AlBarjisia

Tel: +964 782222242 +964 7858908960

Emails:

Yasser.ops@aberdeents-iq.com

inspection@aberdeents-iq.com

CUSTOMER:	Hilong Oil Services & Engineering			LOCATION:	ABERDEEN YARD	RIG No:	HL-101	DATE OF WORK:	22-Oct-25
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38	WIEGHT:	13.30 PPF	GRADE:	G-105	CERTIFICATE NO:	ATS-10-25-5155-07
TYPE OF INSPECTION:	CATEGORY 4	STANDARD: DS-1 Fifth Edition, Volume 3,							

### INSPECTION METHODS

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	✓	Dimensional 2	✓	UT Wall thickness	✓
EMI	✓	Special End Area	✓	OD Gauge	✓	TH Profile Gauge	✓	DPT	✓	UFD OF SLIP UPSET AREA			

S. NO	PIPE SERIAL NO	PIN DIMENSION ( INCHES )							BOX DIMENSION ( INCHES )					MPI OF SLIP/UPSET AREA		UT SLIP/UPSET		VISUAL CONNECTION INSPECTION		BLACK LINGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS	
		PIN OD.	PIN LD	PIN NECK LTH	PIN SHOUL WIDTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH.	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING.	P/T EXTERNAL CLEANING.	BODY CONDITION.					PC	C2	C3	C4		
91	240019340	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.383"	Acc.	OK	✓	..	..	-	..	READY TO USE
92	240019704	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.375"	Acc.	OK	✓	..	-	..	..	READY TO USE
93	240019598	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.377"	Acc.	OK	✓	..	-	-	..	READY TO USE
94	240019565	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.372"	Acc.	OK	✓	..	-	-	..	READY TO USE
95	240019711	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.373"	Acc.	OK	✓	..	-	-	..	READY TO USE
96	240019716	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.375"	Acc.	OK	✓	..	-	-	..	READY TO USE
97	240019625	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.365"	Acc.	OK	✓	..	-	-	..	READY TO USE
98	240019385	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.381"	Acc.	OK	✓	..	-	-	..	READY TO USE
99	240019371	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.367"	Acc.	OK	✓	..	-	-	..	READY TO USE
100	240019679	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.363"	Acc.	OK	✓	..	-	-	..	READY TO USE
101	240019558	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.369"	Acc.	OK	✓	..	-	-	..	READY TO USE
102	240019341	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.365"	Acc.	OK	✓	..	-	-	..	READY TO USE
103	240019560	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.361"	Acc.	OK	✓	..	-	-	..	READY TO USE
104	240019196	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.371"	Acc.	OK	✓	..	-	-	..	READY TO USE
105	240019545	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-13/16"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.385"	Acc.	OK	✓	..	-	-	..	READY TO USE

**Result: 15 Joints above were found "Acceptable" At time of Inspection Premium Class (P/C) (Ready To Use).**

ABBREVIATIONS USED		REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION		CLASSIFICATION OF DRILL PIPE		QR Code
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC):	TOTAL DRILL PIPE INSPECTED	15	PC = PREMIUM CLASS	15	
L.P = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= 100%, 2=99-71%, 3=70-40% 4=Up to 40%	DRILL PIPE NEED TO BE RE CUT	NIL	C2 = CLASS II		
S.P = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD		DRILL PIPE NEED TO BE RE FACE	NIL	C3 = CLASSA III		
P/T.I.C = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT		INT/EXT PITTING GRADING SYSTEM	DRILL PIPE NEED TO BE STRAIGHT	NIL	C4 = CLASSA IV		
P/T.I.C = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING		L= LIGHT, M=MODERATE, S= SEVERE	DRILL PIPE JUNK	NIL			
IPC = INTERNAL PLASTIC COATING.	CR = CRACK		UPSET OR SLIP AREA PIN, BOX					
CSA = CROSS SECTION AREA	BS =BOX SWELL		Magnetic Particle inspection By AC Yoke					
	RB = RE BEVEL		TO MPI 48" FROM BOX AND 36" FROM PIN	DRILL PIPE USEABLE				

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			PERSONNEL DETAILS		REVIEW BY	
AC YOKE S.N:	201504053	CAL DUE DATE:	08/11/2025	White Contrast WCP-2 MANUFACTURE	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:	
UT THICKNESS GAUGE: OD GAGE	4482 1214588	CAL DUE DATE:	08/11/2025		Magnaflux	190903	9/1/2026	TAYYAB ABBASI	Hasan Omran	
DC COIL: EMI	025 TSEZW05152269	CAL DUE DATE:	08/11/2025		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:	
BLACK LIGHT:	20150428	CAL DUE DATE:	08/11/2025					ASNT LEVEL II VT, MT, PT, UT	Hasan Omran	
INTENSITY METER: UFD H/ATEC/ FD350 Calibration Block Type :	1965921 U02614351048 V1 (SR # 506233)	CAL DUE DATE:	08.Nov.2025		Black Magnetic Ink 7HF	Magnaflux	190401	4/1/2026	SIGNATURE & STAMP	CLIENT:
UVA LIGHT INTENSITY:	2300 µw/cm²	CAL DUE DATE:	08.Nov.2025	Fluorescent Magnetic Ink 14HF	MANUFACTURE	BATCH NO	EXPIRE DATE			
Concentration:	0.1 to 0.4 ml/100 ml	CAL DUE DATE:	08.Nov.2025		Magnaflux	190304	FEB.2026			





# Aberdeen Technical Services and General Transportation

3-1/2" DRILL PIPES ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 CATEGORY 4 - INSPECTION CERTIFICATE

Aberdeen Technical Services

www.aberdeents-iq.com

Iraq -Basra - AlBarjisia

Tel: +964 782222242 +964 7858908960

Emails:

Yasser.ops@aberdeents-iq.com

inspection@aberdeents-iq.com

CUSTOMER:	Hilong Oil Services & Engineering			LOCATION:	ABERDEEN YARD	RIG No:	HL-101	DATE OF WORK:	22-Oct-25
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38	WIEGHT:	13.30 PPF	GRADE:	G-105	CERTIFICATE NO:	ATS-10-25-5155-08
TYPE OF INSPECTION:	CATEGORY 4	STANDARD: DS-1 Fifth Edition, Volume 3.							

### INSPECTION METHODS

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	✓	Dimensional 2	✓	UT Wall thickness	✓
EMI	✓	Special End Area	✓	OD Gauge	✓	TH Profile Gauge	✓	DPT	✓	UFD OF SLIP UPSET AREA			

S. NO	PIPE SERIAL NO	PIN DIMENSION ( INCHES )						BOX DIMENSION ( INCHES )						MPI OF SLIP UPSET AREA		UT SLIP UPSET		VISUAL CONNECTION INSPECTION		BLACK LINGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS	
		PIN OD.	PIN LD	PIN NECK LTH	PIN SHOUL WIDTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH.	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING.	P/T EXTERNAL CLEANING.	BODY CONDITION.					PC	C2	C3	C4		
106	240019678	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.363"	Acc.	OK	✓	..	..	-	..	READY TO USE
107	240019511	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.365"	Acc.	OK	✓	..	-	..	..	READY TO USE
108	240019504	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.371"	Acc.	OK	✓	..	-	-	-	READY TO USE
109	240019591	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.374"	Acc.	OK	✓	..	-	-	-	READY TO USE
110	240019505	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.369"	Acc.	OK	✓	..	-	-	-	READY TO USE
111	240019343	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.379"	Acc.	OK	✓	..	-	-	-	READY TO USE
112	240019694	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.375"	Acc.	OK	✓	..	-	-	-	READY TO USE
113	240019506	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.383"	Acc.	OK	✓	..	-	-	-	READY TO USE
114	240019487	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.357"	Acc.	OK	✓	..	-	-	-	READY TO USE
115	240019645	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.373"	Acc.	OK	✓	..	-	-	-	READY TO USE
116	240019355	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.365"	Acc.	OK	✓	..	-	-	-	READY TO USE
117	240019417	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.375"	Acc.	OK	✓	..	-	-	-	READY TO USE
118	240019614	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.367"	Acc.	OK	✓	..	-	-	-	READY TO USE
119	240019488	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.372"	Acc.	OK	✓	..	-	-	-	READY TO USE
120	240019597	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.365"	Acc.	OK	✓	..	-	-	-	READY TO USE

**Result: 15 Joints above were found "Acceptable" At time of Inspection Premium Class (P/C) (Ready To Use).**

ABBREVIATIONS USED		REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION		CLASSIFICATION OF DRILL PIPE		QR Code
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC):	TOTAL DRILL PIPE INSPECTED	15	PC = PREMIUM CLASS	15	
L.P = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= 100%, 2=99-71%, 3=70-40% 4=Up to 40%	DRILL PIPE NEED TO BE RE CUT	NIL	C2 = CLASS II		
S.P = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD		DRILL PIPE NEED TO BE RE FACE	NIL	C3 = CLASSA III		
P/T.I.C = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT		INT/EXT PITTING GRADING SYSTEM	DRILL PIPE NEED TO BE STRAIGHT	NIL	C4 = CLASSA IV		
P/T.I.C = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING		L= LIGHT, M=MODERATE, S= SEVERE	DRILL PIPE JUNK	NIL			
IPC = INTERNAL PLASTIC COATING.	CR = CRACK		UPSET OR SLIP AREA PIN, BOX					
CSA = CROSS SECTION AREA	BS =BOX SWELL		Magnetic Particle inspection By AC Yoke					
	RB = RE BEVEL		TO MPI 48" FROM BOX AND 36" FROM PIN	DRILL PIPE USEABLE				

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			PERSONNEL DETAILS		REVIEW BY	
AC YOKE S.N:	201504053	CAL DUE DATE:	08/11/2025	White Contrast WCP-2 MANUFACTURE	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:	
UT THICKNESS GAUGE: OD GAGE	4482 1214588	CAL DUE DATE:	08/11/2025		Magnaflux	190903	9/1/2026	TAYYAB ABBASI	Hasan Omran	
DC COIL: EMI	025 TSEZW05152269	CAL DUE DATE:	08/11/2025		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:	
BLACK LIGHT:	20150428	CAL DUE DATE:	08/11/2025					ASNT LEVEL II VT, MT, PT, UT	Hasan Omran	
INTENSITY METER: UFD H/ATEC/ FD350 Calibration Block Type :	1965921 U02614351048 V1 (SR # 506233)	CAL DUE DATE:	08.Nov.2025		Black Magnetic Ink 7HF	Magnaflux	190401	4/1/2026	SIGNATURE & STAMP	CLIENT:
UVA LIGHT INTENSITY:	2300 µw/cm²	CAL DUE DATE:	08.Nov.2025	Fluorescent Magnetic Ink 14HF	MANUFACTURE	BATCH NO	EXPIRE DATE			
Concentration:	0.1 to 0.4 ml/100 ml	CAL DUE DATE:	08.Nov.2025		Magnaflux	190304	FEB.2026			





# Aberdeen Technical Services and General Transportation

3-1/2" DRILL PIPES ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 CATEGORY 4 - INSPECTION CERTIFICATE

Aberdeen Technical Services

www.aberdeents-iq.com

Iraq -Basra - AlBarjisia

Tel: +964 782222242 +964 7858908960

Emails:

Yasser.ops@aberdeents-iq.com

inspection@aberdeents-iq.com

CUSTOMER:	Hilong Oil Services & Engineering			LOCATION:	ABERDEEN YARD	RIG No:	HL-101	DATE OF WORK:	22-Oct-25
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38	WIEGHT:	13.30 PPF	GRADE:	G-105	CERTIFICATE NO:	ATS-10-25-5155-09
TYPE OF INSPECTION:	CATEGORY 4				STANDARD:	DS-1 Fifth Edition, Volume 3,			

### INSPECTION METHODS

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	✓	Dimensional 2	✓	UT Wall thickness	✓
EMI	✓	Special End Area	✓	OD Gauge	✓	TH Profile Gauge	✓	DPT	✓	UFD OF SLIP UPSET AREA			

S. NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP/UPSET AREA		UT SLIP/UPSET		VISUAL CONNECTION INSPECTION		BLACK LINGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS	
		PIN OD.	PIN LD	PIN NECK LTH	PIN SHOUL WIDTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH.	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING.	P/T EXTERNAL CLEANING.	BODY CONDITION.					PC	C2	C3	C4		
121	240019646	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.367"	Acc.	OK	✓	..	..	-	..	READY TO USE
122	240019361	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.369"	Acc.	OK	✓	..	-	..	..	READY TO USE
123	240019380	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.373"	Acc.	OK	✓	..	-	-	-	READY TO USE
124	240019697	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.375"	Acc.	OK	✓	..	-	-	-	READY TO USE
125	240019571	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.368"	Acc.	OK	✓	..	-	-	-	READY TO USE
126	240019517	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.369"	Acc.	OK	✓	..	-	-	-	READY TO USE
127	240019569	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.371"	Acc.	OK	✓	..	-	-	-	READY TO USE
128	240019650	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.363"	Acc.	OK	✓	..	-	-	-	READY TO USE
129	240019600	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.377"	Acc.	OK	✓	..	-	-	-	READY TO USE
130	240019720	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.377"	Acc.	OK	✓	..	-	-	-	READY TO USE
131	240019372	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.367"	Acc.	OK	✓	..	-	-	-	READY TO USE
132	240019676	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.374"	Acc.	OK	✓	..	-	-	-	READY TO USE
133	240019362	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.361"	Acc.	OK	✓	..	-	-	-	READY TO USE
134	240019356	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.362"	Acc.	OK	✓	..	-	-	-	READY TO USE
135	240019553	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.375"	Acc.	OK	✓	..	-	-	-	READY TO USE

**Result: 15 Joints above were found "Acceptable" At time of Inspection Premium Class (P/C) (Ready To Use).**

ABBREVIATIONS USED		REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION		CLASSIFICATION OF DRILL PIPE		QR Code
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC):	TOTAL DRILL PIPE INSPECTED	15	PC = PREMIUM CLASS	15	
L.P = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= 100%, 2=99-71%, 3=70-40% 4=Up to 40%	DRILL PIPE NEED TO BE RE CUT	NIL	C2 = CLASS II		
S.P = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD		DRILL PIPE NEED TO BE RE FACE	NIL	C3 = CLASSA III		
P/T.I.C = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT		INT/EXT PITTING GRADING SYSTEM	DRILL PIPE NEED TO BE STRAIGHT	NIL	C4 = CLASSA IV		
P/T.I.C = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING		L= LIGHT, M=MODERATE, S= SEVERE	DRILL PIPE JUNK	NIL			
IPC = INTERNAL PLASTIC COATING.	CR = CRACK		UPSET OR SLIP AREA PIN, BOX					
CSA = CROSS SECTION AREA	BS =BOX SWELL		Magnetic Particle inspection By AC Yoke					
	RB = RE BEVEL		TO MPI 48" FROM BOX AND 36" FROM PIN	DRILL PIPE USEABLE				

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			PERSONNEL DETAILS		REVIEW BY	
AC YOKE S.N:	201504053	CAL DUE DATE:	08/11/2025	White Contrast WCP-2 MANUFACTURE	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:	
UT THICKNESS GAUGE: OD GAGE	4482 1214588	CAL DUE DATE:	08/11/2025		Magnaflux	190903	9/11/2026	TAYYAB ABBASI	Hasan Omran	
DC COIL: EMI	025 TSEZW05152269	CAL DUE DATE:	08/11/2025		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:	
BLACK LIGHT:	20150428	CAL DUE DATE:	08/11/2025					ASNT LEVEL II VT, MT, PT, UT	Hasan Omran	
INTENSITY METER: UFD H/ATEC/ FD350 Calibration Block Type :	1965921 U02614351048 V1 (SR # 506233)	CAL DUE DATE:	08.Nov.2025		Black Magnetic Ink 7HF	Magnaflux	190401	4/11/2026	SIGNATURE & STAMP	CLIENT:
UVA LIGHT INTENSITY:	2300 µw/cm²	CAL DUE DATE:	08.Nov.2025	Fluorescent Magnetic Ink 14HF	MANUFACTURE	BATCH NO	EXPIRE DATE			
Concentration:	0.1 to 0.4 ml/100 ml	CAL DUE DATE:	08.Nov.2025		Magnaflux	190304	FEB.2026			





# Aberdeen Technical Services and General Transportation

3-1/2" DRILL PIPES ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 CATEGORY 4 - INSPECTION CERTIFICATE

Aberdeen Technical Services

www.aberdeents-iq.com

Iraq - Basra - AlBarjisia

Tel: +964 782222242 +964 7858908960

Emails:

Yasser.ops@aberdeents-iq.com

inspection@aberdeents-iq.com

CUSTOMER:	Hilong Oil Services & Engineering			LOCATION:	ABERDEEN YARD	RIG No:	HL-101	DATE OF WORK:	22-Oct-25
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38	WIEGHT:	13.30 PPF	GRADE:	G-105	CERTIFICATE NO:	ATS-10-25-5155-10
TYPE OF INSPECTION:	CATEGORY 4				STANDARD:	DS-1 Fifth Edition, Volume 3,			

### INSPECTION METHODS

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	✓	Dimensional 2	✓	UT Wall thickness	✓
EMI	✓	Special End Area	✓	OD Gauge	✓	TH Profile Gauge	✓	DPT	✓	UFD OF SLIP UPSET AREA			

S. NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)							BOX DIMENSION (INCHES)					MPI OF SLIP/UPSET AREA		UT SLIP/UPSET		VISUAL CONNECTION INSPECTION		BLACK LINGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS	
		PIN OD.	PIN LD	PIN NECK LTH	PIN SHOUL WIDTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH.	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING.	P/T EXTERNAL CLEANING.	BODY CONDITION.					PC	C2	C3	C4		
136	240019383	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.361"	Acc.	OK	✓	..	..	-	..	READY TO USE
137	240019507	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.365"	Acc.	OK	✓	..	-	..	..	READY TO USE
138	240019490	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.377"	Acc.	OK	✓	..	-	-	-	READY TO USE
139	240019357	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.379"	Acc.	OK	✓	..	-	-	-	READY TO USE
140	240019478	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.378"	Acc.	OK	✓	..	-	-	-	READY TO USE
141	240019401	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.364"	Acc.	OK	✓	..	-	-	-	READY TO USE
142	240019525	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.375"	Acc.	OK	✓	..	-	-	-	READY TO USE
143	240019664	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.373"	Acc.	OK	✓	..	-	-	-	READY TO USE
144	240019467	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.367"	Acc.	OK	✓	..	-	-	-	READY TO USE
145	240019363	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.371"	Acc.	OK	✓	..	-	-	-	READY TO USE
146	240019350	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.365"	Acc.	OK	✓	..	-	-	-	READY TO USE
147	240019525	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.379"	Acc.	OK	✓	..	-	-	-	READY TO USE
148	240019574	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.371"	Acc.	OK	✓	..	-	-	-	READY TO USE
149	240019482	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.372"	Acc.	OK	✓	..	-	-	-	READY TO USE
150	240019595	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.365"	Acc.	OK	✓	..	-	-	-	READY TO USE

**Result: 15 Joints above were found "Acceptable" At time of Inspection Premium Class (P/C) (Ready To Use).**

ABBREVIATIONS USED		REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION		CLASSIFICATION OF DRILL PIPE		QR Code
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC):	TOTAL DRILL PIPE INSPECTED	15	PC = PREMIUM CLASS	15	
L.P = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= 100%, 2=99-71%, 3=70-40% 4=Up to 40%	DRILL PIPE NEED TO BE RE CUT	NIL	C2 = CLASS II		
S.P = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD		DRILL PIPE NEED TO BE RE FACE	NIL	C3 = CLASSA III		
P/T.I.C = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT		INT/EXT PITTING GRADING SYSTEM	DRILL PIPE NEED TO BE STRAIGHT	NIL	C4 = CLASSA IV		
P/T.I.C = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING		L= LIGHT, M=MODERATE, S= SEVERE	DRILL PIPE JUNK	NIL			
IPC = INTERNAL PLASTIC COATING.	CR = CRACK		UPSET OR SLIP AREA PIN, BOX					
CSA = CROSS SECTION AREA	BS =BOX SWELL		Magnetic Particle inspection By AC Yoke					
	RB = RE BEVEL		TO MPI 48" FROM BOX AND 36" FROM PIN	DRILL PIPE USEABLE				

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			PERSONNEL DETAILS		REVIEW BY	
AC YOKE S.N:	201504053	CAL DUE DATE:	08/11/2025	White Contrast WCP-2 MANUFACTURE	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:	
UT THICKNESS GAUGE: OD GAGE	4482 1214588	CAL DUE DATE:	08/11/2025		Magnaflux	190903	9/1/2026	TAYYAB ABBASI	Hasan Omran	
DC COIL: EMI	025 TSEZW05152269	CAL DUE DATE:	08/11/2025		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:	
BLACK LIGHT:	20150428	CAL DUE DATE:	08/11/2025					ASNT LEVEL II VT, MT, PT, UT	Hasan Omran	
INTENSITY METER: UFD H/ATEC/ FD350 Calibration Block Type :	1965921 U02614351048 V1 (SR # 506233)	CAL DUE DATE:	08.Nov.2025		Black Magnetic Ink 7HF	Magnaflux	190401	4/1/2026	SIGNATURE & STAMP	CLIENT:
UVA LIGHT INTENSITY:	2300 µw/cm²	CAL DUE DATE:	08.Nov.2025	Fluorescent Magnetic Ink 14HF	MANUFACTURE	BATCH NO	EXPIRE DATE			
Concentration:	0.1 to 0.4 ml/100 ml	CAL DUE DATE:	08.Nov.2025		Magnaflux	190304	FEB.2026			





# Aberdeen Technical Services and General Transportation

3-1/2" DRILL PIPES ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 CATEGORY 4 - INSPECTION CERTIFICATE

Aberdeen Technical Services

www.aberdeents-iq.com

Iraq -Basra - AlBarjisia

Tel: +964 782222242 +964 7858908960

Emails:

Yasser.ops@aberdeents-iq.com

inspection@aberdeents-iq.com

CUSTOMER:	Hilong Oil Services & Engineering			LOCATION:	ABERDEEN YARD	RIG No:	HL-101	DATE OF WORK:	22-Oct-25
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38	WIEGHT:	13.30 PPF	GRADE:	G-105	CERTIFICATE NO:	ATS-10-25-5155-11
TYPE OF INSPECTION:	CATEGORY 4				STANDARD:	DS-1 Fifth Edition, Volume 3,			

### INSPECTION METHODS

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	✓	Dimensional 2	✓	UT Wall thickness	✓
EMI	✓	Special End Area	✓	OD Gauge	✓	TH Profile Gauge	✓	DPT	✓	UFD OF SLIP UPSET AREA			

S. NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP/UPSET AREA		UT SLIP/UPSET		VISUAL CONNECTION INSPECTION		BLACK LINGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN LD	PIN NECK LTH	PIN SHOUL WIDTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH.	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING.	P/T EXTERNAL CLEANING.	BODY CONDITION.					PC	C2	C3	C4	
151	240019500	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.371"	Acc.	OK	✓	..	..	-	READY TO USE
152	240019336	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.375"	Acc.	OK	✓	..	-	..	READY TO USE
153	240019373	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.371"	Acc.	OK	✓	..	-	-	READY TO USE
154	240019675	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.369"	Acc.	OK	✓	..	-	-	READY TO USE
155	240019502	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.372"	Acc.	OK	✓	..	-	-	READY TO USE
156	240019712	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.368"	Acc.	OK	✓	..	-	-	READY TO USE
157	240019442	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.371"	Acc.	OK	✓	..	-	-	READY TO USE
158	240019637	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.363"	Acc.	OK	✓	..	-	-	READY TO USE
159	240019590	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.357"	Acc.	OK	✓	..	-	-	READY TO USE
160	240019718	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.361"	Acc.	OK	✓	..	-	-	READY TO USE
161	240019700	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.355"	Acc.	OK	✓	..	-	-	READY TO USE
162	240019547	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.369"	Acc.	OK	✓	..	-	-	READY TO USE
163	240019671	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.361"	Acc.	OK	✓	..	-	-	READY TO USE
164	240019421	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.375"	Acc.	OK	✓	..	-	-	READY TO USE
165	240019470	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.369"	Acc.	OK	✓	..	-	-	READY TO USE

**Result: 15 Joints above were found "Acceptable" At time of Inspection Premium Class (P/C) (Ready To Use).**

ABBREVIATIONS USED		REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION		CLASSIFICATION OF DRILL PIPE		QR Code
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC):	TOTAL DRILL PIPE INSPECTED	15	PC = PREMIUM CLASS	15	
L.P = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= 100%, 2=99-71%, 3=70-40% 4=Up to 40%	DRILL PIPE NEED TO BE RE CUT	NIL	C2 = CLASS II		
S.P = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD		DRILL PIPE NEED TO BE RE FACE	NIL	C3 = CLASSA III		
P/T.I.C = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT		INT/EXT PITTING GRADING SYSTEM	DRILL PIPE NEED TO BE STRAIGHT	NIL	C4 = CLASSA IV		
P/T.I.C = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING		L= LIGHT, M=MODERATE, S= SEVERE	DRILL PIPE JUNK	NIL			
IPC = INTERNAL PLASTIC COATING.	CR = CRACK		UPSET OR SLIP AREA PIN, BOX					
CSA = CROSS SECTION AREA	BS =BOX SWELL		Magnetic Particle inspection By AC Yoke					
	RB = RE BEVEL		TO MPI 48" FROM BOX AND 36" FROM PIN	DRILL PIPE USEABLE				

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			PERSONNEL DETAILS		REVIEW BY	
AC YOKE S.N:	201504053	CAL DUE DATE:	08/11/2025	White Contrast WCP-2 MANUFACTURE	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:	
UT THICKNESS GAUGE: OD GAGE	4482 1214588	CAL DUE DATE:	08/11/2025		Magnaflux	190903	9/1/2026	TAYYAB ABBASI	Hasan Omran	
DC COIL: EMI	025 TSEZW05152269	CAL DUE DATE:	08/11/2025		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:	
BLACK LIGHT:	20150428	CAL DUE DATE:	08/11/2025					ASNT LEVEL II VT, MT, PT, UT	Hasan Omran	
INTENSITY METER: UFD H/ATEC/ FD350 Calibration Block Type :	1965921 U02614351048 V1 (SR # 506233)	CAL DUE DATE:	08.Nov.2025		Black Magnetic Ink 7HF	Magnaflux	190401	4/1/2026	SIGNATURE & STAMP	CLIENT:
UVA LIGHT INTENSITY:	2300 µw/cm²	CAL DUE DATE:	08.Nov.2025	Fluorescent Magnetic Ink 14HF	MANUFACTURE	BATCH NO	EXPIRE DATE			
Concentration:	0.1 to 0.4 ml/100 ml	CAL DUE DATE:	08.Nov.2025		Magnaflux	190304	FEB.2026			





# Aberdeen Technical Services and General Transportation

3-1/2" DRILL PIPES ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 CATEGORY 4 - INSPECTION CERTIFICATE

Aberdeen Technical Services

www.aberdeents-iq.com

Iraq -Basra - AlBarjisia

Tel: +964 782222242 +964 7858908960

Emails:

Yasser.ops@aberdeents-iq.com

inspection@aberdeents-iq.com

CUSTOMER:	Hilong Oil Services & Engineering			LOCATION:	ABERDEEN YARD	RIG No:	HL-101	DATE OF WORK:	22-Oct-25
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38	WIEGHT:	13.30 PPF	GRADE:	G-105	CERTIFICATE NO:	ATS-10-25-5155-12
TYPE OF INSPECTION:	CATEGORY 4				STANDARD:	DS-1 Fifth Edition, Volume 3,			

### INSPECTION METHODS

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	✓	Dimensional 2	✓	UT Wall thickness	✓
EMI	✓	Special End Area	✓	OD Gauge	✓	TH Profile Gauge	✓	DPT	✓	UFD OF SLIP UPSET AREA			

S. NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)							BOX DIMENSION (INCHES)					MPI OF SLIP/UPSET AREA		UT SLIP/UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS	
		PIN OD.	PIN LD	PIN NECK LTH	PIN SHOUL WIDTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH.	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING.	P/T EXTERNAL CLEANING.	RBDY CONDITION.	PC	C2					C3	C4				
166	240019537	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.373"	Acc.	OK	✓	..	..	-	..	READY TO USE
167	240019523	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.372"	Acc.	OK	✓	..	-	..	..	READY TO USE
168	240019692	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.376"	Acc.	OK	✓	..	-	-	..	READY TO USE
169	240020138	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.368"	Acc.	OK	✓	..	-	-	..	READY TO USE
170	240019566	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.377"	Acc.	OK	✓	..	-	-	..	READY TO USE
171	240019428	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.365"	Acc.	OK	✓	..	-	-	..	READY TO USE
172	240019643	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.361"	Acc.	OK	✓	..	-	-	..	READY TO USE
173	240019501	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.373"	Acc.	OK	✓	..	-	-	..	READY TO USE
174	240019460	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.367"	Acc.	OK	✓	..	-	-	..	READY TO USE
175	240019374	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.369"	Acc.	OK	✓	..	-	-	..	READY TO USE
176	240019382	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.375"	Acc.	OK	✓	..	-	-	..	READY TO USE
177	240019666	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.379"	Acc.	OK	✓	..	-	-	..	READY TO USE
178	240019564	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.381"	Acc.	OK	✓	..	-	-	..	READY TO USE
179	240019669	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.365"	Acc.	OK	✓	..	-	-	..	READY TO USE
180	240019578	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.379"	Acc.	OK	✓	..	-	-	..	READY TO USE

**Result: 15 Joints above were found "Acceptable" At time of Inspection Premium Class (P/C) (Ready To Use).**

ABBREVIATIONS USED		REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION		CLASSIFICATION OF DRILL PIPE		QR Code
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC):	TOTAL DRILL PIPE INSPECTED	15	PC = PREMIUM CLASS	15	
L.P = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= 100%, 2=99-71%, 3=70-40% 4=Up to 40%	DRILL PIPE NEED TO BE RE CUT	NIL	C2 = CLASS II		
S.P = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD		DRILL PIPE NEED TO BE RE FACE	NIL	C3 = CLASSA III		
P/T.I.C = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT		INT/EXT PITTING GRADING SYSTEM	DRILL PIPE NEED TO BE STRAIGHT	NIL	C4 = CLASSA IV		
P/T.I.C = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING		L= LIGHT, M=MODERATE, S= SEVERE	DRILL PIPE JUNK	NIL			
IPC = INTERNAL PLASTIC COATING.	CR = CRACK		UPSET OR SLIP AREA PIN_BOX					
CSA = CROSS SECTION AREA	BS =BOX SWELL		Magnetic Particle inspection By AC Yoke					
	RB = RE BEVEL		TO MPI 48" FROM BOX AND 36" FROM PIN	DRILL PIPE USEABLE				

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			PERSONNEL DETAILS		REVIEW BY	
AC YOKE S.N:	201504053	CAL DUE DATE:	08/11/2025	White Contrast WCP-2 MANUFACTURE	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:	
UT THICKNESS GAUGE: OD GAGE	4482 1214588	CAL DUE DATE:	08/11/2025		Magnaflux	190903	9/1/2026	TAYYAB ABBASI	Hasan Omran	
DC COIL: EMI	025 TSEZW05152269	CAL DUE DATE:	08/11/2025		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:	
BLACK LIGHT:	20150428	CAL DUE DATE:	08/11/2025		Black Magnetic Ink 7HF	Magnaflux	190401	4/1/2026	ASNT LEVEL II VT, MT, PT, UT	Hasan Omran
INTENSITY METER: UFD H/ATEC/ FD350 Calibration Block Type :	1965921 U02614351048 V1 (SR # 506233)	CAL DUE DATE:	08.Nov.2025			CAL DUE DATE:	08.Nov.2025	CAL DUE DATE:	08.Nov.2025	SIGNATURE & STAMP
UVA LIGHT INTENSITY:	2300 µw/cm²	CAL DUE DATE:	08.Nov.2025	Fluorescent Magnetic Ink 14HF	MANUFACTURE	BATCH NO	EXPIRE DATE			
Concentration:	0.1 to 0.4 ml/100 ml	CAL DUE DATE:	08.Nov.2025	Magnaflux	190304	FEB.2026				





# Aberdeen Technical Services and General Transportation

3-1/2" DRILL PIPES ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 CATEGORY 4 - INSPECTION CERTIFICATE

Aberdeen Technical Services

www.aberdeents-iq.com

Iraq -Basra - AlBarjisia

Tel: +964 782222242 +964 7858908960

Emails:

Yasser.ops@aberdeents-iq.com

inspection@aberdeents-iq.com

CUSTOMER:	Hilong Oil Services & Engineering			LOCATION:	ABERDEEN YARD	RIG No:	HL-101	DATE OF WORK:	22-Oct-25
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38	WIEGHT:	13.30 PPF	GRADE:	G-105	CERTIFICATE NO:	ATS-10-25-5155-13
TYPE OF INSPECTION:	CATEGORY 4	STANDARD: DS-1 Fifth Edition, Volume 3,							

Visual Tube		Visual Connection		MPI Connection		MPI Slip & Upset		Dry MPI		Dimensional 2		UT Wall thickness		INSPECTION METHODS																					
EMI	✓	Special End Area	✓	OD Gauge	✓	TH Profile Gauge	✓	DPT	✓	UFD OF SLIP UPSET AREA	✓																								
S. NO	PIPE SERIAL NO	PIN DIMENSION ( INCHES )							BOX DIMENSION ( INCHES )					MPI OF SLIP UPSET AREA		UT SLIP UPSET		VISUAL CONNECTION INSPECTION		BLACK LINGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS	
		PIN OD.	PIN LD	PIN NECK LTH	PIN SHOUL WIDTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH.	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING.	P/T EXTERNAL CLEANING.	BODY CONDITION.					PC	C2	C3	C4		
181	240019582	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.363"	Acc.	OK	✓	..	..	-	..	READY TO USE
182	240019411	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.362"	Acc.	OK	✓	..	-	..	..	READY TO USE
183	240019687	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.356"	Acc.	OK	✓	..	-	-	-	READY TO USE
184	240019432	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.378"	Acc.	OK	✓	..	-	-	-	READY TO USE
185	240019371	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.371"	Acc.	OK	✓	..	-	-	-	READY TO USE
186	240019496	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.369"	Acc.	OK	✓	..	-	-	-	READY TO USE
187	240019628	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.365"	Acc.	OK	✓	..	-	-	-	READY TO USE
188	240019420	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.372"	Acc.	OK	✓	..	-	-	-	READY TO USE
189	240019707	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.364"	Acc.	OK	✓	..	-	-	-	READY TO USE
190	240019549	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.379"	Acc.	OK	✓	..	-	-	-	READY TO USE
191	240020132	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.365"	Acc.	OK	✓	..	-	-	-	READY TO USE
192	240019589	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.376"	Acc.	OK	✓	..	-	-	-	READY TO USE
193	240019415	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.371"	Acc.	OK	✓	..	-	-	-	READY TO USE
194	240019531	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.375"	Acc.	OK	✓	..	-	-	-	READY TO USE
195	240019436	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.369"	Acc.	OK	✓	..	-	-	-	READY TO USE

**Result: 15 Joints above were found "Acceptable" At time of Inspection Premium Class (P/C) (Ready To Use).**

ABBREVIATIONS USED			REPRESENTATIONS			SUMMARY OF DRILL PIPE INSPECTION			CLASSIFICATION OF DRILL PIPE			QR Code
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC):			TOTAL DRILL PIPE INSPECTED			PC = PREMIUM CLASS			
L.P = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= 100%, 2=99-71%, 3=70-40% 4=Up to 40%			DRILL PIPE NEED TO BE RECUT			C2 = CLASS II			
S.P = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD	INT/EXT PITTING GRADING SYSTEM			DRILL PIPE NEED TO BE RE FACE			C3 = CLASSA III			
P/T.I.C = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT		L= LIGHT, M=MODERATE, S= SEVERE			DRILL PIPE NEED TO BE STRAIGHT			C4 = CLASSA IV			
P/T.I.C = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING		UPSET OR SLIP AREA PIN, BOX			DRILL PIPE JUNK						
IPC = INTERNAL PLASTIC COATING.	CR = CRACK		Magnetic Particle inspection By AC Yoke			DRILL PIPE USEABLE						
CSA = CROSS SECTION AREA	BS =BOX SWELL		TO MPI 48" FROM BOX AND 36" FROM PIN									
	RB = RE BEVEL											

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			PERSONNEL DETAILS		REVIEW BY	
AC YOKE S.N:	201504053	CAL DUE DATE:	08/11/2025	White Contrast WCP-2 MANUFACTURE	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:	
UT THICKNESS GAUGE: OD GAGE	4482 1214588	CAL DUE DATE:	08/11/2025		Magnaflux	190903	9/1/2026	TAYYAB ABBASI	Hasan Omran	
DC COIL: EMI	025 TSEZW05152269	CAL DUE DATE:	08/11/2025		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:	
BLACK LIGHT:	20150428	CAL DUE DATE:	08/11/2025		Black Magnetic Ink 7HF	Magnaflux	190401	4/1/2026	ASNT LEVEL II VT, MT, PT, UT	Hasan Omran
INTENSITY METER: UFD H/ATEC/ FD350 Calibration Block Type :	1965921 U02614351048 V1 (SR # 506233)	CAL DUE DATE:	08.Nov.2025			CAL DUE DATE:	08.Nov.2025	CAL DUE DATE:	08.Nov.2025	SIGNATURE & STAMP
UVA LIGHT INTENSITY:	2300 µw/cm²	CAL DUE DATE:	08.Nov.2025	Fluorescent Magnetic Ink 14HF	MANUFACTURE	BATCH NO	EXPIRE DATE			
Concentration:	0.1 to 0.4 ml/100 ml	CAL DUE DATE:	08.Nov.2025	Magnaflux	190304	FEB.2026				



# Aberdeen Technical Services and General Transportation

3-1/2" DRILL PIPES ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 CATEGORY 4 - INSPECTION CERTIFICATE

Aberdeen Technical Services

www.aberdeents-iq.com

Iraq - Basra - AlBarjisia

Tel: +964 782222242 +964 7858908960

Emails:

Yasser.ops@aberdeents-iq.com

inspection@aberdeents-iq.com

CUSTOMER:	Hilong Oil Services & Engineering			LOCATION:	ABERDEEN YARD	RIG No:	HL-101	DATE OF WORK:	22-Oct-25
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38	WIEGHT:	13.30 PPF	GRADE:	G-105	CERTIFICATE NO:	ATS-10-25-5155-14
TYPE OF INSPECTION:	CATEGORY 4	STANDARD: DS-1 Fifth Edition, Volume 3.							

### INSPECTION METHODS

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	✓	Dimensional 2	✓	UT Wall thickness	✓
EMI	✓	Special End Area	✓	OD Gauge	✓	TH Profile Gauge	✓	DPT	✓	UFD OF SLIP UPSET AREA			

S. NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP/UPSET AREA		UT SLIP/UPSET		VISUAL CONNECTION INSPECTION		BLACK LINGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS	
		PIN OD.	PIN LD	PIN NECK LTH	PIN SHOUL WIDTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH.	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING.	P/T EXTERNAL CLEANING.	BODY CONDITION.	PC	C2					C3	C4				
196	240019591	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.353"	Acc.	OK	✓	..	..	-	..	READY TO USE
197	240019701	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.365"	Acc.	OK	✓	..	-	..	..	READY TO USE
198	240019970	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.366"	Acc.	OK	✓	..	-	-	-	READY TO USE
199	240019691	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.368"	Acc.	OK	✓	..	-	-	-	READY TO USE
200	240019476	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.373"	Acc.	OK	✓	..	-	-	-	READY TO USE
201	240019753	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.367"	Acc.	OK	✓	..	-	-	-	READY TO USE
202	240019603	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.361"	Acc.	OK	✓	..	-	-	-	READY TO USE
203	240019500	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.374"	Acc.	OK	✓	..	-	-	-	READY TO USE
204	240019576	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.378"	Acc.	OK	✓	..	-	-	-	READY TO USE
205	240019527	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.372"	Acc.	OK	✓	..	-	-	-	READY TO USE
206	240019585	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.365"	Acc.	OK	✓	..	-	-	-	READY TO USE
207	240019563	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.376"	Acc.	OK	✓	..	-	-	-	READY TO USE
208	240019668	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.373"	Acc.	OK	✓	..	-	-	-	READY TO USE
209	240019584	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.365"	Acc.	OK	✓	..	-	-	-	READY TO USE
210	240019708	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.368"	Acc.	OK	✓	..	-	-	-	READY TO USE

**Result: 15 Joints above were found "Acceptable" At time of Inspection Premium Class (P/C) (Ready To Use).**

ABBREVIATIONS USED		REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION		CLASSIFICATION OF DRILL PIPE		QR Code
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC):	TOTAL DRILL PIPE INSPECTED	15	PC = PREMIUM CLASS	15	
L.P = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= 100%, 2=99-71%, 3=70-40% 4=Up to 40%	DRILL PIPE NEED TO BE RE CUT	NIL	C2 = CLASS II		
S.P = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD		DRILL PIPE NEED TO BE RE FACE	NIL	C3 = CLASSA III		
P/T.I.C = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT		INT/EXT PITTING GRADING SYSTEM	DRILL PIPE NEED TO BE STRAIGHT	NIL	C4 = CLASSA IV		
P/T.I.C = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING		L= LIGHT, M=MODERATE, S= SEVERE	DRILL PIPE JUNK	NIL			
IPC = INTERNAL PLASTIC COATING.	CR = CRACK		UPSET OR SLIP AREA PIN, BOX					
CSA = CROSS SECTION AREA	BS =BOX SWELL		Magnetic Particle inspection By AC Yoke					
	RB = RE BEVEL		TO MPI 48" FROM BOX AND 36" FROM PIN	DRILL PIPE USEABLE				

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			PERSONNEL DETAILS		REVIEW BY	
AC YOKE S.N:	201504053	CAL DUE DATE:	08/11/2025	White Contrast WCP-2 MANUFACTURE	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:	
UT THICKNESS GAUGE: OD GAGE	4482 1214588	CAL DUE DATE:	08/11/2025		Magnaflux	190903	9/11/2026	TAYYAB ABBASI	Hasan Omran	
DC COIL: EMI	025 TSEZW05152269	CAL DUE DATE:	08/11/2025		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:	
BLACK LIGHT:	20150428	CAL DUE DATE:	08/11/2025					ASNT LEVEL II VT, MT, PT, UT	Hasan Omran	
INTENSITY METER: UFD H/ATEC/ FD350 Calibration Block Type :	1965921 U02614351048 V1 (SR # 506233)	CAL DUE DATE:	08.Nov.2025		Black Magnetic Ink 7HF	Magnaflux	190401	4/11/2026	SIGNATURE & STAMP	CLIENT:
UVA LIGHT INTENSITY:	2300 µw/cm²	CAL DUE DATE:	08.Nov.2025	Fluorescent Magnetic Ink 14HF	MANUFACTURE	BATCH NO	EXPIRE DATE			
Concentration:	0.1 to 0.4 ml/100 ml	CAL DUE DATE:	08.Nov.2025		Magnaflux	190304	FEB.2026			





# Aberdeen Technical Services and General Transportation

3-1/2" DRILL PIPES ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 CATEGORY 4 - INSPECTION CERTIFICATE

Aberdeen Technical Services

www.aberdeents-iq.com

Iraq -Basra - AlBarjisia

Tel: +964 782222242 +964 7858908960

Emails:

Yasser.ops@aberdeents-iq.com

inspection@aberdeents-iq.com

CUSTOMER:	Hilong Oil Services & Engineering			LOCATION:	ABERDEEN YARD	RIG No:	HL-101	DATE OF WORK:	22-Oct-25
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38	WIEGHT:	13.30 PPF	GRADE:	G-105	CERTIFICATE NO:	ATS-10-25-5155-15
TYPE OF INSPECTION:	CATEGORY 4				STANDARD:	DS-1 Fifth Edition, Volume 3,			

### INSPECTION METHODS

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	✓	Dimensional 2	✓	UT Wall thickness	✓
EMI	✓	Special End Area	✓	OD Gauge	✓	TH Profile Gauge	✓	DPT	✓	UFD OF SLIP UPSET AREA			

S. NO	PIPE SERIAL NO	PIN DIMENSION ( INCHES )						BOX DIMENSION ( INCHES )						MPI OF SLIP UPSET AREA		UT SLIP UPSET		VISUAL CONNECTION INSPECTION		BLACK LINGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS	
		PIN OD.	PIN LD	PIN NECK LTH	PIN SHOUL WIDTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH.	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING.	P/T EXTERNAL CLEANING.	BODY CONDITION.	PC	C2					C3	C4				
211	240019472	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.363"	Acc.	OK	✓	..	..	-	..	READY TO USE
212	240019722	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.369"	Acc.	OK	✓	..	-	..	..	READY TO USE
213	240019684	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.367"	Acc.	OK	✓	..	-	-	..	READY TO USE
214	240019543	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.378"	Acc.	OK	✓	..	-	-	..	READY TO USE
215	240019536	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.371"	Acc.	OK	✓	..	-	-	..	READY TO USE
216	240019587	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.377"	Acc.	OK	✓	..	-	-	..	READY TO USE
217	240019542	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.365"	Acc.	OK	✓	..	-	-	..	READY TO USE
218	240019418	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.372"	Acc.	OK	✓	..	-	-	..	READY TO USE
219	240019724	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.376"	Acc.	OK	✓	..	-	-	..	READY TO USE
220	240019407	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.371"	Acc.	OK	✓	..	-	-	..	READY TO USE
221	240019685	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.375"	Acc.	OK	✓	..	-	-	..	READY TO USE
222	240019544	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.378"	Acc.	OK	✓	..	-	-	..	READY TO USE
223	240019551	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.363"	Acc.	OK	✓	..	-	-	..	READY TO USE
224	240019520	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.368"	Acc.	OK	✓	..	-	-	..	READY TO USE
225	240019648	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.361"	Acc.	OK	✓	..	-	-	..	READY TO USE

**Result: 15 Joints above were found "Acceptable" At time of Inspection Premium Class (P/C) (Ready To Use).**

ABBREVIATIONS USED		REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION		CLASSIFICATION OF DRILL PIPE		QR Code
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC):	TOTAL DRILL PIPE INSPECTED	15	PC = PREMIUM CLASS	15	
L.P = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= 100%, 2=99-71%, 3=70-40% 4=Up to 40%	DRILL PIPE NEED TO BE RE CUT	NIL	C2 = CLASS II		
S.P = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD		DRILL PIPE NEED TO BE RE FACE	NIL	C3 = CLASSA III		
P/T.I.C = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT		INT/EXT PITTING GRADING SYSTEM	DRILL PIPE NEED TO BE STRAIGHT	NIL	C4 = CLASSA IV		
P/T.I.C = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING		L= LIGHT, M=MODERATE, S= SEVERE	DRILL PIPE JUNK	NIL			
IPC = INTERNAL PLASTIC COATING.	CR = CRACK		UPSET OR SLIP AREA PIN, BOX					
CSA = CROSS SECTION AREA	BS =BOX SWELL		Magnetic Particle inspection By AC Yoke					
	RB = RE BEVEL		TO MPI 48" FROM BOX AND 36" FROM PIN	DRILL PIPE USEABLE				

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			PERSONNEL DETAILS		REVIEW BY	
AC YOKE S.N:	201504053	CAL DUE DATE:	08/11/2025	White Contrast WCP-2 MANUFACTURE	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:	
UT THICKNESS GAUGE: OD GAGE	4482 1214588	CAL DUE DATE:	08/11/2025		Magnaflux	190903	9/1/2026	TAYYAB ABBASI	Hasan Omran	
DC COIL: EMI	025 TSEZW05152269	CAL DUE DATE:	08/11/2025		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:	
BLACK LIGHT:	20150428	CAL DUE DATE:	08/11/2025					ASNT LEVEL II VT, MT, PT, UT	Hasan Omran	
INTENSITY METER: UFD H/ATEC/ FD350 Calibration Block Type :	1965921 U02614351048 V1 (SR # 506233)	CAL DUE DATE:	08.Nov.2025		Black Magnetic Ink 7HF	Magnaflux	190401	4/1/2026	SIGNATURE & STAMP	CLIENT:
UVA LIGHT INTENSITY:	2300 µw/cm²	CAL DUE DATE:	08.Nov.2025	Fluorescent Magnetic Ink 14HF	MANUFACTURE	BATCH NO	EXPIRE DATE			
Concentration:	0.1 to 0.4 ml/100 ml	CAL DUE DATE:	08.Nov.2025		Magnaflux	190304	FEB.2026			





# Aberdeen Technical Services and General Transportation

## 3-1/2" DRILL PIPES ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 CATEGORY 4 - INSPECTION CERTIFICATE

Aberdeen Technical Services

www.aberdeents-iq.com

Iraq -Basra - AlBarjisia

Tel: +964 782222242 +964 7858908960

Emails:

Yasser.ops@aberdeents-iq.com

inspection@aberdeents-iq.com

CUSTOMER:	Hilong Oil Services & Engineering			LOCATION:	ABERDEEN YARD	RIG No:	HL-101	DATE OF WORK:	22-Oct-25
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38	WIEGHT:	13.30 PPF	GRADE:	G-105	CERTIFICATE NO:	ATS-10-25-5155-16
TYPE OF INSPECTION:	CATEGORY 4				STANDARD:	DS-1 Fifth Edition, Volume 3,			

Visual Tube		Visual Connection		MPI Connection		MPI Slip & Upset		Dry MPI		Dimensional 2		UT Wall thickness		INSPECTION METHODS																					
EMI		Special End Area		OD Gauge		TH Profile Gauge		DPT		UFD OF SLIP UPSET AREA																									
S. NO	PIPE SERIAL NO	PIN DIMENSION ( INCHES )						BOX DIMENSION ( INCHES )						MPI OF SLIP UPSET AREA		UT SLIP UPSET		VISUAL CONNECTION INSPECTION		BLACK LINGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS	
		PIN OD.	PIN LD	PIN NECK LTH	PIN SHOUL WIDTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH.	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING.	P/T EXTERNAL CLEANING.	BODY CONDITION.					PC	C2	C3	C4		
226	240019513	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.373"	Acc.	OK	√	..	..	-	..	READY TO USE
227	240019638	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.379"	Acc.	OK	√	..	-	..	..	READY TO USE
228	240019535	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.377"	Acc.	OK	√	..	-	-	-	READY TO USE
229	240019538	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.374"	Acc.	OK	√	..	-	-	-	READY TO USE
230	240019630	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.381"	Acc.	OK	√	..	-	-	-	READY TO USE
231	240019665	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.387"	Acc.	OK	√	..	-	-	-	READY TO USE
232	240019508	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.375"	Acc.	OK	√	..	-	-	-	READY TO USE
233	240019587	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.378"	Acc.	OK	√	..	-	-	-	READY TO USE
234	240019567	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.386"	Acc.	OK	√	..	-	-	-	READY TO USE
235	240019443	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.381"	Acc.	OK	√	..	-	-	-	READY TO USE
236	240019670	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.379"	Acc.	OK	√	..	-	-	-	READY TO USE
237	240019566	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.368"	Acc.	OK	√	..	-	-	-	READY TO USE
238	240019491	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.373"	Acc.	OK	√	..	-	-	-	READY TO USE
239	240019686	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.365"	Acc.	OK	√	..	-	-	-	READY TO USE
240	240019683	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.366"	Acc.	OK	√	..	-	-	-	READY TO USE

**Result: 15 Joints above were found "Acceptable" At time of Inspection Premium Class (P/C) (Ready To Use).**

ABBREVIATIONS USED			REPRESENTATIONS			SUMMARY OF DRILL PIPE INSPECTION			CLASSIFICATION OF DRILL PIPE			QR Code
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC):			TOTAL DRILL PIPE INSPECTED			PC = PREMIUM CLASS			
L.P = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= 100%, 2=99-71%, 3=70-40% 4=Up to 40%			DRILL PIPE NEED TO BE RE CUT			C2 = CLASS II			
S.P = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD				DRILL PIPE NEED TO BE RE FACE			C3 = CLASSA III			
P/T.I.C = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT					DRILL PIPE NEED TO BE STRAIGHT			C4 = CLASSA IV			
P/T.E.C = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING					DRILL PIPE JUNK						
IPC = INTERNAL PLASTIC COATING.	CR = CRACK											
CSA = CROSS SECTION AREA	BS =BOX SWELL	UPSET OR SLIP AREA PIN_BOX			Magnetic Particle inspection By AC Yoke							
	RB = RE BEVEL	TO MPI 48" FROM BOX AND 36" FROM PIN			DRILL PIPE USEABLE							

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			PERSONNEL DETAILS		REVIEW BY	
AC YOKE S.N:	201504053	CAL DUE DATE:	08/11/2025	White Contrast WCP-2 MANUFACTURE	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:	
UT THICKNESS GAUGE: OD GAGE	4482 1214588	CAL DUE DATE:	08/11/2025		Magnaflux	190903	9/1/2026	TAYYAB ABBASI	Hasan Omran	
DC COIL: EMI	025 TSEZW05152269	CAL DUE DATE:	08/11/2025		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:	
BLACK LIGHT:	20150428	CAL DUE DATE:	08/11/2025					ASNT LEVEL II VT, MT, PT, UT	Hasan Omran	
INTENSITY METER: UFD H/ATEC/ FD350 Calibration Block Type :	1965921 U02614351048 V1 (SR # 506233)	CAL DUE DATE:	08.Nov.2025		Black Magnetic Ink 7HF	Magnaflux	190401	4/1/2026	SIGNATURE & STAMP	CLIENT:
UVA LIGHT INTENSITY:	2300 µw/cm²	CAL DUE DATE:	08.Nov.2025	Fluorescent Magnetic Ink 14HF	MANUFACTURE	BATCH NO	EXPIRE DATE			
Concentration:	0.1 to 0.4 ml/100 ml	CAL DUE DATE:	08.Nov.2025		Magnaflux	190304	FEB.2026			





# Aberdeen Technical Services and General Transportation

3-1/2" DRILL PIPES ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 CATEGORY 4 - INSPECTION CERTIFICATE

Aberdeen Technical Services

www.aberdeents-iq.com

Iraq -Basra - AlBarjisia

Tel: +964 782222242 +964 7858908960

Emails:

Yasser.ops@aberdeents-iq.com

inspection@aberdeents-iq.com

CUSTOMER:	Hilong Oil Services & Engineering			LOCATION:	ABERDEEN YARD	RIG No:	HL-101	DATE OF WORK:	22-Oct-25
PIPE NOMINAL OD:	3 1/2"			WEIGHT:	13.30 PPF	GRADE:	G-105	CERTIFICATE NO:	ATS-10-25-5155-17
TYPE OF INSPECTION:	CATEGORY 4			CONNECTION:	NC 38	STANDARD:	DS-1 Fifth Edition, Volume 3,		

### INSPECTION METHODS

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	✓	Dimensional 2	✓	UT Wall thickness	✓
EMI	✓	Special End Area	✓	OD Gauge	✓	TH Profile Gauge	✓	DPT	✓	UFD OF SLIP UPSET AREA			

S. NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP/UPSET AREA		UT SLIP/UPSET		VISUAL CONNECTION INSPECTION		BLACK LINGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS	
		PIN OD.	PIN LD	PIN NECK LTH	PIN SHOUL WIDTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH.	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING.	P/T EXTERNAL CLEANING.	BODY CONDITION.					PC	C2	C3	C4		
241	240019379	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.363"	Acc.	OK	✓	..	..	-	..	READY TO USE
242	240019672	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.375"	Acc.	OK	✓	..	-	..	..	READY TO USE
243	240019699	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.373"	Acc.	OK	✓	..	-	-	..	READY TO USE
244	240019725	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.378"	Acc.	OK	✓	..	-	-	..	READY TO USE
245	240019559	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.380"	Acc.	OK	✓	..	-	-	..	READY TO USE
246	240019593	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.383"	Acc.	OK	✓	..	-	-	..	READY TO USE
247	240019498	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.385"	Acc.	OK	✓	..	-	-	..	READY TO USE
248	240019651	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.388"	Acc.	OK	✓	..	-	-	..	READY TO USE
249	240019187	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.356"	Acc.	OK	✓	..	-	-	..	READY TO USE
250	240019495	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.361"	Acc.	OK	✓	..	-	-	..	READY TO USE
251	240019108	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.369"	Acc.	OK	✓	..	-	-	..	READY TO USE
252	240019544	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.368"	Acc.	OK	✓	..	-	-	..	READY TO USE
253	240019400	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.366"	Acc.	OK	✓	..	-	-	..	READY TO USE
254	240019617	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.355"	Acc.	OK	✓	..	-	-	..	READY TO USE
255	240019552	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.376"	Acc.	OK	✓	..	-	-	..	READY TO USE

**Result: 15 Joints above were found "Acceptable" At time of Inspection Premium Class (P/C) (Ready To Use).**

ABBREVIATIONS USED		REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION		CLASSIFICATION OF DRILL PIPE		QR Code
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC):	TOTAL DRILL PIPE INSPECTED	15	PC = PREMIUM CLASS	15	
L.P = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= 100%, 2=99-71%, 3=70-40% 4=Up to 40%	DRILL PIPE NEED TO BE RECUT	NIL	C2 = CLASS II		
S.P = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD		DRILL PIPE NEED TO BE RE FACE	NIL	C3 = CLASSA III		
P/T.I.C = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT		INT/EXT PITTING GRADING SYSTEM	DRILL PIPE NEED TO BE STRAIGHT	NIL	C4 = CLASSA IV		
P/T.I.C = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING		L= LIGHT, M=MODERATE, S= SEVERE	DRILL PIPE JUNK	NIL			
IPC = INTERNAL PLASTIC COATING.	CR = CRACK		UPSET OR SLIP AREA PIN, BOX					
CSA = CROSS SECTION AREA	BS =BOX SWELL		Magnetic Particle inspection By AC Yoke					
	RB = RE BEVEL		TO MPI 48" FROM BOX AND 36" FROM PIN	DRILL PIPE USEABLE				

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			PERSONNEL DETAILS		REVIEW BY	
AC YOKE S.N:	201504053	CAL DUE DATE:	08/11/2025	White Contrast WCP-2 MANUFACTURE	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:	
UT THICKNESS GAUGE: OD GAGE	4482 1214588	CAL DUE DATE:	08/11/2025		Magnaflux	190903	9/1/2026	TAYYAB ABBASI	Hasan Omran	
DC COIL: EMI	025 TSEZW05152269	CAL DUE DATE:	08/11/2025		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:	
BLACK LIGHT:	20150428	CAL DUE DATE:	08/11/2025					ASNT LEVEL II VT, MT, PT, UT	Hasan Omran	
INTENSITY METER: UFD H/ATEC/ FD350 Calibration Block Type :	1965921 U02614351048 V1 (SR # 506233)	CAL DUE DATE:	08.Nov.2025		Black Magnetic Ink 7HF	Magnaflux	190401	4/1/2026	SIGNATURE & STAMP	CLIENT:
UVA LIGHT INTENSITY:	2300 µw/cm²	CAL DUE DATE:	08.Nov.2025	Fluorescent Magnetic Ink 14HF	MANUFACTURE	BATCH NO	EXPIRE DATE			
Concentration:	0.1 to 0.4 ml/100 ml	CAL DUE DATE:	08.Nov.2025		Magnaflux	190304	FEB.2026			





# Aberdeen Technical Services and General Transportation

3-1/2" DRILL PIPES ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 CATEGORY 4 - INSPECTION CERTIFICATE

Aberdeen Technical Services

www.aberdeents-iq.com

Iraq -Basra - AlBarjisia

Tel: +964 782222242 +964 7858908960

Emails:

Yasser.ops@aberdeents-iq.com

inspection@aberdeents-iq.com

CUSTOMER:	Hilong Oil Services & Engineering			LOCATION:	ABERDEEN YARD	RIG No:	HL-101	DATE OF WORK:	22-Oct-25
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38	WIEGHT:	13.30 PPF	GRADE:	G-105	CERTIFICATE NO:	ATS-10-25-5155-18
TYPE OF INSPECTION:	CATEGORY 4				STANDARD:	DS-1 Fifth Edition, Volume 3,			

### INSPECTION METHODS

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	✓	Dimensional 2	✓	UT Wall thickness	✓
EMI	✓	Special End Area	✓	OD Gauge	✓	TH Profile Gauge	✓	DPT	✓	UFD OF SLIP UPSET AREA			

S. NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP/UPSET AREA		UT SLIP/UPSET		VISUAL CONNECTION INSPECTION		BLACK LINGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS	
		PIN OD.	PIN LD	PIN NECK LTH	PIN SHOUL WIDTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH.	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING.	P/T EXTERNAL CLEANING.	BODY CONDITION.					PC	C2	C3	C4		
256	240019581	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.383"	Acc.	OK	✓	..	..	-	..	READY TO USE
257	240019580	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.385"	Acc.	OK	✓	..	-	..	..	READY TO USE
258	240019541	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.378"	Acc.	OK	✓	..	-	-	-	READY TO USE
259	240019570	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.376"	Acc.	OK	✓	..	-	-	-	READY TO USE
260	240019556	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.381"	Acc.	OK	✓	..	-	-	-	READY TO USE
261	240019375	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.373"	Acc.	OK	✓	..	-	-	-	READY TO USE
262	240019335	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.375"	Acc.	OK	✓	..	-	-	-	READY TO USE
263	240019601	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.366"	Acc.	OK	✓	..	-	-	-	READY TO USE
264	240019455	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.366"	Acc.	OK	✓	..	-	-	-	READY TO USE
265	240019544	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.364"	Acc.	OK	✓	..	-	-	-	READY TO USE
266	240019457	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.368"	Acc.	OK	✓	..	-	-	-	READY TO USE
267	240019353	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.358"	Acc.	OK	✓	..	-	-	-	READY TO USE
268	240019588	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.356"	Acc.	OK	✓	..	-	-	-	READY TO USE
269	240019337	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.365"	Acc.	OK	✓	..	-	-	-	READY TO USE
270	240019555	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.366"	Acc.	OK	✓	..	-	-	-	READY TO USE

**Result: 15 Joints above were found "Acceptable" At time of Inspection Premium Class (P/C) (Ready To Use).**

ABBREVIATIONS USED			REPRESENTATIONS			SUMMARY OF DRILL PIPE INSPECTION			CLASSIFICATION OF DRILL PIPE			QR Code
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC):			TOTAL DRILL PIPE INSPECTED	15	PC = PREMIUM CLASS	15			
L.P = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= 100%, 2=99-71%, 3=70-40% 4=Up to 40%			DRILL PIPE NEED TO BE RECUT	NIL	C2 = CLASS II				
S.P = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD				DRILL PIPE NEED TO BE RE FACE	NIL	C3 = CLASSA III				
P/T.I.C = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT					DRILL PIPE NEED TO BE STRAIGHT	NIL	C4 = CLASSA IV				
P/T.E.C = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING					DRILL PIPE JUNK	NIL					
IPC = INTERNAL PLASTIC COATING.	CR = CRACK		UPSET OR SLIP AREA PIN, BOX			DRILL PIPE USEABLE						
CSA = CROSS SECTION AREA	BS =BOX SWELL		Magnetic Particle inspection By AC Yoke									
	RB = RE BEVEL		TO MPI 48" FROM BOX AND 36" FROM PIN									

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS				PERSONNEL DETAILS		REVIEW BY	
AC YOKE S.N:	201504053	CAL DUE DATE:	08/11/2025	White Contrast WCP-2 MANUFACTURE	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:		
UT THICKNESS GAUGE: OD GAGE	4482 1214588	CAL DUE DATE:	08/11/2025		Magnaflux	190903	9/1/2026	TAYYAB ABBASI	Hasan Omran		
DC COIL: EMI	025 TSEZW05152269	CAL DUE DATE:	08/11/2025		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:		
BLACK LIGHT:	20150428	CAL DUE DATE:	08/11/2025		Black Magnetic Ink 7HF	Magnaflux	190401	4/1/2026	ASNT LEVEL II VT, MT, PT, UT		Hasan Omran
INTENSITY METER: UFD H/ATEC/ FD350 Calibration Block Type :	1965921 U02614351048 V1 (SR # 506233)	CAL DUE DATE:	08.Nov.2025						CLIENT:		
UVA LIGHT INTENSITY:	2300 µw/cm²	CAL DUE DATE:	08.Nov.2025	Fluorescent Magnetic Ink 14HF	MANUFACTURE	BATCH NO	EXPIRE DATE				
Concentration:	0.1 to 0.4 ml/100 ml	CAL DUE DATE:	08.Nov.2025	Magnaflux	190304	FEB.2026					





# Aberdeen Technical Services and General Transportation

## 3-1/2" DRILL PIPES ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 CATEGORY 4 - INSPECTION CERTIFICATE

Aberdeen Technical Services

www.aberdeents-iq.com

Iraq -Basra - AlBarjisia

Tel: +964 782222242 +964 7858908960

Emails:

Yasser.ops@aberdeents-iq.com

inspection@aberdeents-iq.com

CUSTOMER:	Hilong Oil Services & Engineering			LOCATION:	ABERDEEN YARD	RIG No:	HL-101	DATE OF WORK:	22-Oct-25
PIPE NOMINAL OD:	3 1/2"			WEIGHT:	13.30 PPF	GRADE:	G-105	CERTIFICATE NO:	ATS-10-25-5155-19
TYPE OF INSPECTION:	CATEGORY 4			CONNECTION:	NC 38	STANDARD:	DS-1 Fifth Edition, Volume 3,		

### INSPECTION METHODS

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	✓	Dimensional 2	✓	UT Wall thickness	✓
EMI	✓	Special End Area	✓	OD Gauge	✓	TH Profile Gauge	✓	DPT	✓	UFD OF SLIP UPSET AREA			

S. NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)							BOX DIMENSION (INCHES)						MPI OF SLIP/UPSET AREA		UT SLIP/UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN LD	PIN NECK LTH	PIN SHOUL WIDTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH.	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING.	P/T EXTERNAL CLEANING.	BODY CONDITION.	PC					C2	C3	C4		
271	240019623	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.373"	Acc.	OK	✓	..	..	-	..	READY TO USE
272	240019633	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.359"	Acc.	OK	✓	..	-	..	..	READY TO USE
273	240019438	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.368"	Acc.	OK	✓	..	-	-	-	READY TO USE
274	240019636	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.371"	Acc.	OK	✓	..	-	-	-	READY TO USE
275	240019131	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.361"	Acc.	OK	✓	..	-	-	-	READY TO USE
276	240019659	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.363"	Acc.	OK	✓	..	-	-	-	READY TO USE
277	240019679	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.372"	Acc.	OK	✓	..	-	-	-	READY TO USE
278	240019592	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.371"	Acc.	OK	✓	..	-	-	-	READY TO USE
279	240019492	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.370"	Acc.	OK	✓	..	-	-	-	READY TO USE
280	240019609	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.366"	Acc.	OK	✓	..	-	-	-	READY TO USE
281	240019329	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.369"	Acc.	OK	✓	..	-	-	-	READY TO USE
282	240019210	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.368"	Acc.	OK	✓	..	-	-	-	READY TO USE
283	240019338	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.376"	Acc.	OK	✓	..	-	-	-	READY TO USE
284	240019622	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.355"	Acc.	OK	✓	..	-	-	-	READY TO USE
285	240019677	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.359"	Acc.	OK	✓	..	-	-	-	READY TO USE

**Result: 15 Joints above were found "Acceptable" At time of Inspection Premium Class (P/C) (Ready To Use).**

ABBREVIATIONS USED		REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION		CLASSIFICATION OF DRILL PIPE		QR Code
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC):	TOTAL DRILL PIPE INSPECTED	15	PC = PREMIUM CLASS	15	
L.P = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= 100%, 2=99-71%, 3=70-40% 4=Up to 40%	DRILL PIPE NEED TO BE RECUT	NIL	C2 = CLASS II		
S.P = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD		DRILL PIPE NEED TO BE RE FACE	NIL	C3 = CLASSA III		
P/T.I.C = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT		INT/EXT PITTING GRADING SYSTEM	DRILL PIPE NEED TO BE STRAIGHT	NIL	C4 = CLASSA IV		
P/T.I.C = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING		L= LIGHT, M=MODERATE, S= SEVERE	DRILL PIPE JUNK	NIL			
IPC = INTERNAL PLASTIC COATING.	CR = CRACK		UPSET OR SLIP AREA PIN, BOX					
CSA = CROSS SECTION AREA	BS =BOX SWELL		Magnetic Particle inspection By AC Yoke					
	RB = RE BEVEL		TO MPI 48" FROM BOX AND 36" FROM PIN	DRILL PIPE USEABLE				

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			PERSONNEL DETAILS		REVIEW BY	
AC YOKE S.N:	201504053	CAL DUE DATE:	08/11/2025	White Contrast WCP-2 MANUFACTURE	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:	
UT THICKNESS GAUGE: OD GAGE	4482 1214588	CAL DUE DATE:	08/11/2025		Magnaflux	190903	9/1/2026	TAYYAB ABBASI	Hasan Omran	
DC COIL: EMI	025 TSEZW05152269	CAL DUE DATE:	08/11/2025		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:	
BLACK LIGHT:	20150428	CAL DUE DATE:	08/11/2025					ASNT LEVEL II VT, MT, PT, UT	Hasan Omran	
INTENSITY METER: UFD H/ATEC/ FD350 Calibration Block Type :	1965921 U02614351048 V1 (SR # 506233)	CAL DUE DATE:	08.Nov.2025		Black Magnetic Ink 7HF	Magnaflux	190401	4/1/2026	SIGNATURE & STAMP	CLIENT:
UVA LIGHT INTENSITY:	2300 µw/cm²	CAL DUE DATE:	08.Nov.2025	Fluorescent Magnetic Ink 14HF	MANUFACTURE	BATCH NO	EXPIRE DATE			
Concentration:	0.1 to 0.4 ml/100 ml	CAL DUE DATE:	08.Nov.2025		Magnaflux	190304	FEB.2026			





# Aberdeen Technical Services and General Transportation

3-1/2" DRILL PIPES ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 CATEGORY 4 - INSPECTION CERTIFICATE

Aberdeen Technical Services

www.aberdeents-iq.com

Iraq -Basra - AlBarjisia

Tel: +964 782222242 +964 7858908960

Emails:

Yasser.ops@aberdeents-iq.com

inspection@aberdeents-iq.com

CUSTOMER:	Hilong Oil Services & Engineering			LOCATION:	ABERDEEN YARD	RIG No:	HL-101	DATE OF WORK:	22-Oct-25
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38	WIEGHT:	13.30 PPF	GRADE:	G-105	CERTIFICATE NO:	ATS-10-25-5155-20
TYPE OF INSPECTION:	CATEGORY 4	STANDARD: DS-1 Fifth Edition, Volume 3.							

### INSPECTION METHODS

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	✓	Dimensional 2	✓	UT Wall thickness	✓
EMI	✓	Special End Area	✓	OD Gauge	✓	TH Profile Gauge	✓	DPT	✓	UFD OF SLIP UPSET AREA			

S. NO	PIPE SERIAL NO	PIN DIMENSION ( INCHES )							BOX DIMENSION ( INCHES )						MPI OF SLIP UPSET AREA		UT SLIP UPSET				VISUAL CONNECTION INSPECTION		BLACK LINGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION						OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN LD	PIN NECK LTH	PIN SHOUL WIDTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH.	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING.	P/T EXTERNAL CLEANING.	BODY CONDITION.	PC	C2	C3	C4										
286	240019719	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.361"	Acc.	OK	✓	..	..	-	..	READY TO USE				
287	240019632	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.357"	Acc.	OK	✓	..	-	..	..	READY TO USE				
288	240019518	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.363"	Acc.	OK	✓	..	-	-	-	READY TO USE				
289	240019656	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.361"	Acc.	OK	✓	..	-	-	-	READY TO USE				
290	240019611	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.365"	Acc.	OK	✓	..	-	-	-	READY TO USE				
291	240019461	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.373"	Acc.	OK	✓	..	-	-	-	READY TO USE				
292	240020145	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.362"	Acc.	OK	✓	..	-	-	-	READY TO USE				
293	240019698	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.375"	Acc.	OK	✓	..	-	-	-	READY TO USE				
294	240019657	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.378"	Acc.	OK	✓	..	-	-	-	READY TO USE				
295	240019586	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.376"	Acc.	OK	✓	..	-	-	-	READY TO USE				
296	240019342	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.359"	Acc.	OK	✓	..	-	-	-	READY TO USE				
297	240019530	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.354"	Acc.	OK	✓	..	-	-	-	READY TO USE				
298	240019662	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.356"	Acc.	OK	✓	..	-	-	-	READY TO USE				
299	240019351	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.359"	Acc.	OK	✓	..	-	-	-	READY TO USE				
300	240019402	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.362"	Acc.	OK	✓	..	-	-	-	READY TO USE				

**Result: 15 Joints above were found "Acceptable" At time of Inspection Premium Class (P/C) (Ready To Use).**

ABBREVIATIONS USED		REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION		CLASSIFICATION OF DRILL PIPE		QR Code
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC):	TOTAL DRILL PIPE INSPECTED	15	PC = PREMIUM CLASS	15	
L.P = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= 100%, 2=99-71%, 3=70-40% 4=Up to 40%	DRILL PIPE NEED TO BE RE CUT	NIL	C2 = CLASS II		
S.P = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD		DRILL PIPE NEED TO BE RE FACE	NIL	C3 = CLASSA III		
P/T.I.C = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT		INT/EXT PITTING GRADING SYSTEM	DRILL PIPE NEED TO BE STRAIGHT	NIL	C4 = CLASSA IV		
P/T.I.C = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING		L= LIGHT, M=MODERATE, S= SEVERE	DRILL PIPE JUNK	NIL			
IPC = INTERNAL PLASTIC COATING.	CR = CRACK		UPSET OR SLIP AREA PIN, BOX					
CSA = CROSS SECTION AREA	BS =BOX SWELL		Magnetic Particle inspection By AC Yoke					
	RB = RE BEVEL		TO MPI 48" FROM BOX AND 36" FROM PIN	DRILL PIPE USEABLE				

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			PERSONNEL DETAILS		REVIEW BY	
AC YOKE S.N:	201504053	CAL DUE DATE:	08/11/2025	White Contrast WCP-2 MANUFACTURE	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:	
UT THICKNESS GAUGE: OD GAGE	4482 1214588	CAL DUE DATE:	08/11/2025		Magnaflux	190903	9/1/2026	TAYYAB ABBASI	Hasan Omran	
DC COIL: EMI	025 TSEZW05152269	CAL DUE DATE:	08/11/2025		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:	
BLACK LIGHT:	20150428	CAL DUE DATE:	08/11/2025					ASNT LEVEL II VT, MT, PT, UT	Hasan Omran	
INTENSITY METER: UFD H/ATEC/ FD350 Calibration Block Type :	1965921 U02614351048 V1 (SR # 506233)	CAL DUE DATE:	08.Nov.2025		Black Magnetic Ink 7HF	Magnaflux	190401	4/1/2026	SIGNATURE & STAMP	CLIENT:
UVA LIGHT INTENSITY:	2300 µw/cm²	CAL DUE DATE:	08.Nov.2025	Fluorescent Magnetic Ink 14HF	Magnaflux	190304	FEB.2026			
Concentration:	0.1 to 0.4 ml/100 ml	CAL DUE DATE:	08.Nov.2025							





# Aberdeen Technical Services and General Transportation

3-1/2" DRILL PIPES ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 CATEGORY 4 - INSPECTION CERTIFICATE

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Iraq -Basra - AlBarjisia

Tel: +964 782222242 +964 7858908960

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Yasser.ops@aberdeents-iq.com

inspection@aberdeents-iq.com

CUSTOMER:	Hilong Oil Services & Engineering			LOCATION:	ABERDEEN YARD	RIG No:	HL-101	DATE OF WORK:	22-Oct-25
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38	WIEGHT:	13.30 PPF	GRADE:	G-105	CERTIFICATE NO:	ATS-10-25-5155-21
TYPE OF INSPECTION:	CATEGORY 4				STANDARD:	DS-1 Fifth Edition, Volume 3,			

### INSPECTION METHODS

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	Dry MPI	✓	Dimensional 2	✓	UT Wall thickness	✓
EMI	✓	Special End Area	✓	OD Gauge	✓	TH Profile Gauge	✓	UFD OF SLIP UPSET AREA			

S. NO	PIPE SERIAL NO	PIN DIMENSION ( INCHES )							BOX DIMENSION ( INCHES )					MPI OF SLIP UPSET AREA		UT SLIP UPSET		VISUAL CONNECTION INSPECTION		BLACK LINGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS	
		PIN OD.	PIN LD	PIN NECK LTH	PIN SHOUL WIDTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH.	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING.	P/T EXTERNAL CLEANING.	BODY CONDITION.					PC	C2	C3	C4		
301	240019480	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.371"	Acc.	OK	✓	..	..	-	..	READY TO USE
302	240019326	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.367"	Acc.	OK	✓	..	-	..	..	READY TO USE
303	240019607	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.365"	Acc.	OK	✓	..	-	-	-	READY TO USE
304	240019561	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.362"	Acc.	OK	✓	..	-	-	-	READY TO USE
305	240019706	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.369"	Acc.	OK	✓	..	-	-	-	READY TO USE
306	240019352	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.371"	Acc.	OK	✓	..	-	-	-	READY TO USE
307	240019431	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.372"	Acc.	OK	✓	..	-	-	-	READY TO USE
308	240019403	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.378"	Acc.	OK	✓	..	-	-	-	READY TO USE
309	240019399	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.368"	Acc.	OK	✓	..	-	-	-	READY TO USE
310	240019639	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.366"	Acc.	OK	✓	..	-	-	-	READY TO USE
311	240019529	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.369"	Acc.	OK	✓	..	-	-	-	READY TO USE
312	240019479	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.374"	Acc.	OK	✓	..	-	-	-	READY TO USE
313	240019334	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.376"	Acc.	OK	✓	..	-	-	-	READY TO USE
314	240019615	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.369"	Acc.	OK	✓	..	-	-	-	READY TO USE
315	240019604	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.364"	Acc.	OK	✓	..	-	-	-	READY TO USE

**Result: 15 Joints above were found "Acceptable" At time of Inspection Premium Class (P/C) (Ready To Use).**

ABBREVIATIONS USED		REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION		CLASSIFICATION OF DRILL PIPE		QR Code
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC):	TOTAL DRILL PIPE INSPECTED	15	PC = PREMIUM CLASS	15	
L.P = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= 100%, 2=99-71%, 3=70-40% 4=Up to 40%	DRILL PIPE NEED TO BE RE CUT	NIL	C2 = CLASS II		
S.P = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD		DRILL PIPE NEED TO BE RE FACE	NIL	C3 = CLASSA III		
P/T.I.C = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT		INT/EXT PITTING GRADING SYSTEM	DRILL PIPE NEED TO BE STRAIGHT	NIL	C4 = CLASSA IV		
P/T.I.C = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING		L= LIGHT, M=MODERATE, S= SEVERE	DRILL PIPE JUNK	NIL			
IPC = INTERNAL PLACTIC COATING.	CR = CRACK		UPSET OR SLIP AREA PIN, BOX					
CSA = CROSS SECTION AREA	BS =BOX SWELL		Magnetic Particle inspection By AC Yoke					
	RB = RE BEVEL		TO MPI 48" FROM BOX AND 36" FROM PIN	DRILL PIPE USEABLE				

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			PERSONNEL DETAILS		REVIEW BY	
AC YOKE S.N:	201504053	CAL DUE DATE:	08/11/2025	White Contrast WCP-2 MANUFACTURE	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:	
UT THICKNESS GAUGE: OD GAGE	4482 1214588	CAL DUE DATE:	08/11/2025		Magnaflux	190903	9/1/2026	TAYYAB ABBASI	Hasan Omran	
DC COIL: EMI	025 TSEZW05152269	CAL DUE DATE:	08/11/2025		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:	
BLACK LIGHT:	20150428	CAL DUE DATE:	08/11/2025					ASNT LEVEL II VT, MT, PT, UT	Hasan Omran	
INTENSITY METER: UFD H/ATEC/ FD350 Calibration Block Type :	1965921 U02614351048 V1 (SR # 506233)	CAL DUE DATE:	08.Nov.2025		Black Magnetic Ink 7HF	Magnaflux	190401	4/11/2026	SIGNATURE & STAMP	CLIENT:
UVA LIGHT INTENSITY:	2300 µw/cm²	CAL DUE DATE:	08.Nov.2025	Fluorescent Magnetic Ink 14HF	MANUFACTURE	BATCH NO	EXPIRE DATE			
Concentration:	0.1 to 0.4 ml/100 ml	CAL DUE DATE:	08.Nov.2025		Magnaflux	190304	FEB.2026			





# Aberdeen Technical Services and General Transportation

3-1/2" DRILL PIPES ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 CATEGORY 4 - INSPECTION CERTIFICATE

Aberdeen Technical Services

www.aberdeents-iq.com

Iraq - Basra - AlBarjisia

Tel: +964 782222242 +964 7858908960

Emails:

Yasser.ops@aberdeents-iq.com

inspection@aberdeents-iq.com

CUSTOMER:	Hilong Oil Services & Engineering			LOCATION:	ABERDEEN YARD	RIG No:	HL-101	DATE OF WORK:	22-Oct-25
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38	WIEGHT:	13.30 PPF	GRADE:	G-105	CERTIFICATE NO:	ATS-10-25-5155-22
TYPE OF INSPECTION:	CATEGORY 4	STANDARD: DS-1 Fifth Edition, Volume 3.							

### INSPECTION METHODS

S/NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)							BOX DIMENSION (INCHES)					MPI OF SLIP/UPSET AREA		UT SLIP/UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL/EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN LD	PIN NECK LTH	PIN SHOUL WIDTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH.	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING.	P/T EXTERNAL CLEANING.	BODY CONDITION.					PC	C2	C3	C4	
316	240019626	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.371"	Acc.	OK	√	..	..	-	READY TO USE
317	240019499	5"	2-7/16"	1/2"	17/32"	4-5/8"	9-3/4"	5"	17/32"	4-5/8"	4-1/16"	5/8"	10-1/4"	OK	OK	-	-	OK	OK	-	-	COND.2	OK	OK	OK	OK	0.363"	Acc.	OK	√	..	-	..	READY TO USE

**Result:02 Joints above were found "Acceptable" At time of Inspection Premium Class (P/C) (Ready To Use).**

ABBREVIATIONS USED		REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION		CLASSIFICATION OF DRILL PIPE		QR Code
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC):	TOTAL DRILL PIPE INSPECTED	2	PC = PREMIUM CLASS	2	
L.P = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= 100%, 2=99-71%, 3=70-40% 4=Up to 40%	DRILL PIPE NEED TO BE RECUT	NIL	C2 = CLASS II		
S.P = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD		DRILL PIPE NEED TO BE RE FACE	NIL	C3 = CLASS III		
P/T.I.C = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT		INT/EXT PITTING GRADING SYSTEM	DRILL PIPE NEED TO BE STRAIGHT	NIL	C4 = CLASS IV		
P/T.E.C = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING		L= LIGHT, M=MODERATE, S= SEVERE	DRILL PIPE JUNK	NIL			
IPC = INTERNAL PLASTIC COATING.	CR = CRACK		UPSET OR SLIP AREA PIN, BOX					
CSA = CROSS SECTION AREA	BS =BOX SWELL		Magnetic Particle inspection By AC Yoke					
	RB = RE BEVEL		TO MPI 48" FROM BOX AND 36" FROM PIN	DRILL PIPE USEABLE				

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			PERSONNEL DETAILS		REVIEW BY	
AC YOKE S.N:	201504053	CAL DUE DATE:	08/11/2025	White Contrast WCP-2 MANUFACTURE	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:	
UT THICKNESS GAUGE:	4482	CAL DUE DATE:	08/11/2025		Magnaflux	190903	9/1/2026	TAYYAB ABBASI	Hasan Omran	
OD GAGE:	1214588	CAL DUE DATE:	08/11/2025							
DC COIL:	025	CAL DUE DATE:	08/11/2025		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:	
EMI:	TSEZW05152269	CAL DUE DATE:	08/11/2025					ASNT LEVEL II VT, MT, PT, UT	Hasan Omran	
BLACK LIGHT:	20150428	CAL DUE DATE:	08/11/2025	Black Magnetic Ink 7HF	Magnaflux	190401	4/1/2026	SIGNATURE & STAMP	CLIENT:	
INTENSITY METER:	1965921	CAL DUE DATE:	08.Nov.2025							
UFD HI/ATEC/ FD350 Calibration Block Type :	U02614351048 V1 (SR # 506233)	CAL DUE DATE:	08.Nov.2025							
UVA LIGHT INTENSITY:	2300 µw/cm²	CAL DUE DATE:	08.Nov.2025	Fluorescent Magnetic Ink 14HF	MANUFACTURE	BATCH NO	EXPIRE DATE			
Concentration:	0.1 to 0.4 ml/100 ml	CAL DUE DATE:	08.Nov.2025		Magnaflux	190304	FEB.2026			

