

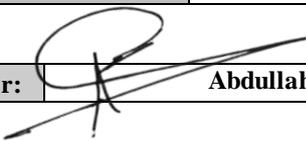


<b>Customer:</b>	<b>Hilong Oil Services &amp; Engineering – Rig 100</b>	<b>Date Of Service:</b>	<b>30-DEC-2023</b>
<b>Type Of Inspection:</b>	<b>CAT IV INSPECTION</b>	<b>Report No:</b>	<b>ATS-12-23-2541-PWS-001</b>
<b>Location:</b>	<b>Hamdan Industrial Area</b>	<b>Specification:</b>	<b>API RP 8B</b>



**ABERDEEN Technical Services Would Like to Thank You for Giving Us the Opportunity to Work With Your Honorable Company**

<b>Inspection Date:</b>	30-12-2023	<b>Due Date:</b>	29-12-2028
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<b>Inspector:</b>	 Abdullah Mofeed	<b>OEM:</b>	
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Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

The Rig Was Equipped with NOV Power Swivel, with The Following Specification:

Equipment:	Power Swivel
Model:	S-150 HEAD
S/N:	XK-18-1067675
Marker & Date of Manufacture:	NOV-29-2018
Ref Standard:	API RP 8B
Inspection Frequency:	Every 5 Years

QTY:	1 (set)
Product description:	Nov S-150 Power swivel
Max. Rated Load:	-
Manufacture:	NOV

**Remarks:**

Detailed reports are attached detailing all readings and results in pages (05-28).

Inspector:	Abdullah Mofeed 	Supervisor:	Hasan Omran 
OEM:			



Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

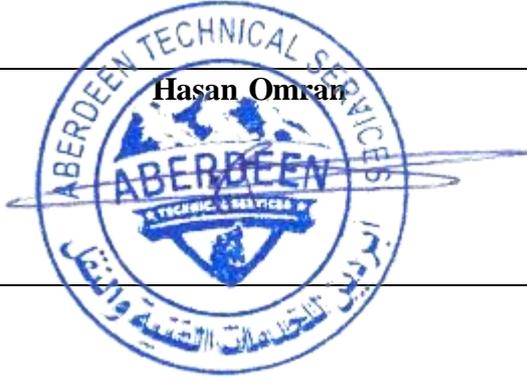
**PROCEDURE**

- The Power Swivel was Inspected and Found Conformable to the Relevant Standard.
- The Rig was equipped with NOV Power Swivel
- Power Swivel found completely Disassembled for CAT IV inspection

Action	Result
1. Visually check the body, bail, bottom connection and gooseneck for any Damage, wear or cracks	Performed
2. MPI the critical load bearing items of the swivel like the bail, bail connection and Bottom connection	Performed
3. Manufacture Name Plate In Place, All Specification of the power swivel Were Obtained From Attached Manufacture Manual And Manufacture Certificate.	Performed
4. Carry out wall thickness measurement of the gooseneck	Performed

\* Visual and MPI Was Carried Out on the Available Critical& Welding Areas of the power swivel and Found **Satisfactory for Further Use.**

\*\* CAT IV Inspection Was Carried Out on power swivel and Found **Accepted** at The Time of Inspection.

<b>Inspector:</b>	<b>Abdullah Mofeed</b> 	<b>Supervisor:</b>	<b>Hasan Omran</b> 
<b>OEM:</b>			



Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

**PICTORIAL:**



Inspector:	<p>Abdullah Mofeed</p> 	Supervisor:	 <p>Hesan Omran</p>
OEM:			



International Well Control Forum



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ATS-RIG-F-012 ISSUE 1 JUN 2023



Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

## Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Location:	Industrial area	Job Number:	ATS-12-23-2541
Date of Examination:	30-Dec-2023	Date of Report:	30-Dec-2023	Certificate No:	ATS-12-23-2541-PWS-001-1

Serial Number	Description of the examined equipment	Result
XK-18-1067675	Final stage pinion gear	Pass
S/N:	05420-0000 (1), 05420-0000 (8)	



### NDT Equipment Details

Standard	API RP 8B & ASTM E 709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### NDT procedure

Visual and MPI carried out for the above description and found free of surface defects at the time of inspection

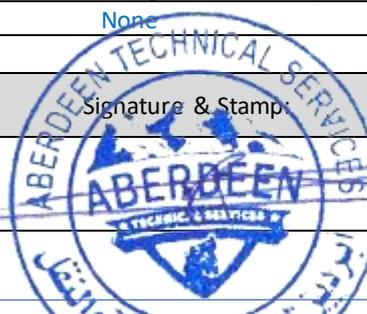
Identification of any part found to have a defect and a description of the defect:

None

Particulars of any repair, renewal or alteration required to remedy the defect identified above:

None

ASNT Level II Inspector Name:	Signature & Stamp	Date of Next Through Examination:
Abdullah Mofeed		29-12-2028





Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

## Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Location:	Industrial Area	Job Number:	ATS-12-23-2541
Date of Examination:	30-Dec-2023	Date of Report:	30-Dec-2023	Certificate No:	ATS-12-23-2541-PWS-001-2

Serial Number	Description of the examined equipment	Result
XK-18-1067675	First stage gear	Pass
S/N:	05419-0000-1	



### NDT Equipment Details

Standard	API RP 8B & ASTM E 709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### NDT procedure

Visual and MPI carried out for the above description and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect:

None

Particulars of any repair, renewal or alteration required to remedy the defect identified above:

None

ASNT Level II Inspector Name:	Signature & Stamp.	Date of Next Through Examination:
Abdullah Mofeed		29-12-2028





Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

## Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Location:	Industrial Area	Job Number:	ATS-12-23-2541
Date of Examination:	30-Dec-2023	Date of Report:	30-Dec-2023	Certificate No:	ATS-12-23-2541-PWS-001-3

Serial Number	Description of the examined equipment	Result
XK-18-1067675	Bail pins	Pass
S/N:	47287803-2, 47287803-4	



### NDT Equipment Details

Standard	API RP 8B & ASTM E 709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### NDT procedure

Visual and MPI carried out for the above description and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect:

None

Particulars of any repair, renewal or alteration required to remedy the defect identified above:

None

ASNT Level II Inspector Name:	Signature & Stamp:	Date of Next Through Examination:
Abdullah Mofeed		29-12-2028



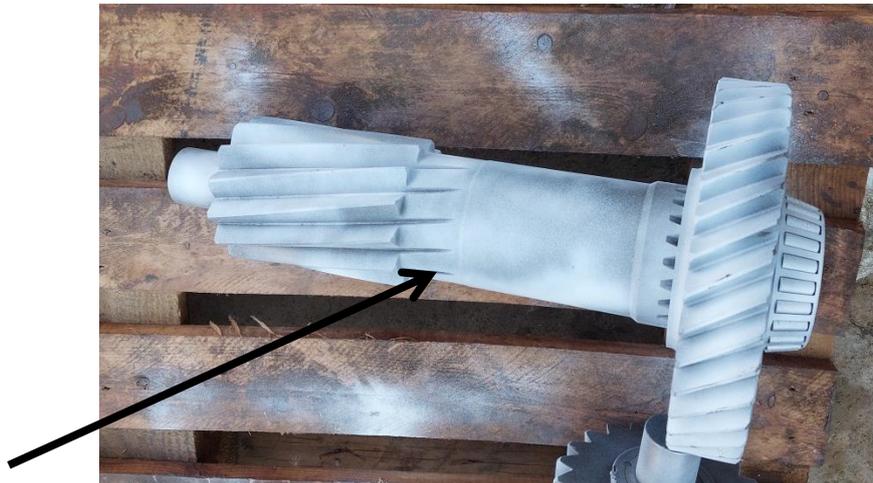


Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

## Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Location:	Industrial Area	Job Number:	ATS-12-23-2541
Date of Examination:	30-Dec-2023	Date of Report:	30-Dec-2023	Certificate No:	ATS-12-23-2541-PWS-001-4

Serial Number	Description of the examined equipment	Result
XK-18-1067675	Second shaft pinion gear	Pass
S/N:	05421-0000-2	



### NDT Equipment Details

Standard	API RP 8B & ASTM E 709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### NDT procedure

Visual and MPI carried out for the above description and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect:

None

Particulars of any repair, renewal or alteration required to remedy the defect identified above:

None

ASNT Level II Inspector Name:	Signature & Stamp.	Date of Next Through Examination:
Abdullah Mofeed		29-12-2028





Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

## Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Location:	Industrial Area	Job Number:	ATS-12-23-2541
Date of Examination:	30-Dec-2023	Date of Report:	30-Dec-2023	Certificate No:	ATS-12-23-2541-PWS-001-5

Serial Number	Description of the examined equipment	Result
XK-18-1067675	Final stage pinion gear	Pass
S/N:	06350-000	



### NDT Equipment Details

Standard	API RP 8B & ASTM E 709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### NDT procedure

Visual and MPI carried out for the above description and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect:

None

Particulars of any repair, renewal or alteration required to remedy the defect identified above:

None

ASNT Level II Inspector Name:	Signature & Stamp:	Date of Next Through Examination:
Abdullah Mofeed		29-12-2028





Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

## Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Location:	Industrial Area	Job Number:	ATS-12-23-2541
Date of Examination:	30-Dec-2023	Date of Report:	30-Dec-2023	Certificate No:	ATS-12-23-2541-PWS-001-6

Serial Number	Description of the examined equipment	Result
XK-18-1067675	Lower bearing retainer	Pass
S/N:	271609-3	



### NDT Equipment Details

Standard	API RP 8B & ASTM E 709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### NDT procedure

Visual and MPI carried out for the above description and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect:

None

Particulars of any repair, renewal or alteration required to remedy the defect identified above:

None

ASNT Level II Inspector Name:	Signature & Stamp.	Date of Next Through Examination:
Abdullah Mofeed		29-12-2028





Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

## Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Location:	Industrial Area	Job Number:	ATS-12-23-2541
Date of Examination:	30-Dec-2023	Date of Report:	30-Dec-2023	Certificate No:	ATS-12-23-2541-PWS-001-7

Serial Number	Description of the examined equipment	Result
XK-18-1067675	gooseneck	Pass
S/N:	10452115-001	



### NDT Equipment Details

Standard	API RP 8B & ASTM E 709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### NDT procedure

Visual and MPI carried out for the above description and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect:

None

Particulars of any repair, renewal or alteration required to remedy the defect identified above:

None

ASNT Level II Inspector Name:	Signature & Stamp:	Date of Next Through Examination:
Abdullah Mofeed		29-12-2028





Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

## Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Location:	Industrial Area	Job Number:	ATS-12-23-2541
Date of Examination:	30-Dec-2023	Date of Report:	30-Dec-2023	Certificate No:	ATS-12-23-2541-PWS-001-8

Serial Number	Description of the examined equipment	Result
XK-18-1067675	Motor adapter	Pass
S/N:	47287800-1 , 38059431-1	



### NDT Equipment Details

Standard	API RP 8B & ASTM E 709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### NDT procedure

Visual and MPI carried out for the above description and found free of surface defects at the time of inspection

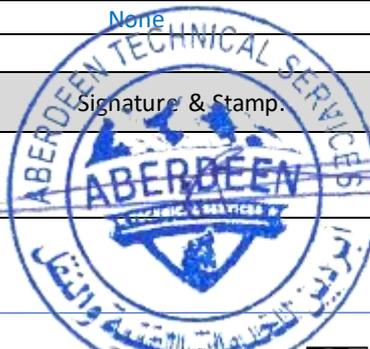
Identification of any part found to have a defect and a description of the defect:

None

Particulars of any repair, renewal or alteration required to remedy the defect identified above:

None

ASNT Level II Inspector Name:	Signature & Stamp.	Date of Next Through Examination:
Abdullah Mofeed		29-12-2028





Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

## Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Location:	Industrial Area	Job Number:	ATS-12-23-2541
Date of Examination:	30-Dec-2023	Date of Report:	30-Dec-2023	Certificate No:	ATS-12-23-2541-PWS-001-9

Serial Number	Description of the examined equipment	Result
XK-18-1067675	Stop cover	Pass
S/N:	10470034-001	



### NDT Equipment Details

Standard	API RP 8B & ASTM E 709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### NDT procedure

Visual and MPI carried out for the above description and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect:

None

Particulars of any repair, renewal or alteration required to remedy the defect identified above:

None

ASNT Level II Inspector Name:	Signature & Stamp.	Date of Next Through Examination:
Abdullah Mofeed		29-12-2028





Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

## Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Location:	Industrial Area	Job Number:	ATS-12-23-2541
Date of Examination:	30-Dec-2023	Date of Report:	30-Dec-2023	Certificate No:	ATS-12-23-2541-PWS-001-10

Serial Number	Description of the examined equipment	Result
XK-18-1067675	Lower cover	Pass
S/N:	219391-005	



### NDT Equipment Details

Standard	ASTM E709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### NDT procedure

Visual and MPI carried out for the above description and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect:

None

Particulars of any repair, renewal or alteration required to remedy the defect identified above:

None

ASNT Level II Inspector Name:	Signature & Stamp	Date of Next Through Examination:
Abdullah Mofeed		29-12-2028





Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

## Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Location:	Industrial Area	Job Number:	ATS-12-23-2541
Date of Examination:	30-Dec-2023	Date of Report:	30-Dec-2023	Certificate No:	ATS-12-23-2541-PWS-001-11

Serial Number	Description of the examined equipment	Result
XK-18-1067675	bonnet	Pass
S/N:	HL100B035	



### NDT Equipment Details

Standard	API RP 8B & ASTM E 709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### NDT procedure

Visual and MPI carried out for the above description and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect:

None

Particulars of any repair, renewal or alteration required to remedy the defect identified above:

None

ASNT Level II Inspector Name:	Signature & Stamp:	Date of Next Through Examination:
Abdullah Mofeed		29-12-2028





Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

## Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Location:	Industrial Area	Job Number:	ATS-12-23-2541
Date of Examination:	30-Dec-2023	Date of Report:	30-Dec-2023	Certificate No:	ATS-12-23-2541-PWS-001-12

Serial Number	Description of the examined equipment	Result
XK-18-1067675	Wash pipe nuts	Pass
S/N:	10384083-001, 10459015-001	



### NDT Equipment Details

Standard	API RP 8B & ASTM E 709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### NDT procedure

Visual and MPI carried out for the above description and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect:

None

Particulars of any repair, renewal or alteration required to remedy the defect identified above:

None

ASNT Level II Inspector Name:	Signature & Stamp:	Date of Next Through Examination:
Abdullah Mofeed		29-12-2028





Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

## Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Location:	Industrial Area	Job Number:	ATS-12-23-2541
Date of Examination:	30-Dec-2023	Date of Report:	30-Dec-2023	Certificate No:	ATS-12-23-2541-PWS-001-13

Serial Number	Description of the examined equipment	Result
XK-18-1067675	Hydraulic Pipe	Pass
S/N:	HP-01 , HP-02	



### NDT Equipment Details

Standard	API RP 8B & ASTM E 709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### NDT procedure

Visual and MPI carried out for the above description and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect:

None

Particulars of any repair, renewal or alteration required to remedy the defect identified above:

None

ASNT Level II Inspector Name:	Signature & Stamp:	Date of Next Through Examination:
Abdullah Mofeed		29-12-2028





Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

## Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Location:	Industrial Area	Job Number:	ATS-12-23-2541
Date of Examination:	30-Dec-2023	Date of Report:	30-Dec-2023	Certificate No:	ATS-12-23-2541-PWS-001-14

Serial Number	Description of the examined equipment	Result
XK-18-1067675	Wrench hook	Pass
S/N:	10452230-002	



### NDT Equipment Details

Standard	API RP 8B & ASTM E 709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### NDT procedure

Visual and MPI carried out for the above description and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect:

None

Particulars of any repair, renewal or alteration required to remedy the defect identified above:

None

ASNT Level II Inspector Name:	Signature & Stamp:	Date of Next Through Examination:
Abdullah Mofeed		29-12-2028





Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

## Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Location:	Industrial Area	Job Number:	ATS-12-23-2541
Date of Examination:	30-Dec-2023	Date of Report:	30-Dec-2023	Certificate No:	ATS-12-23-2541-PWS-001-15

Serial Number	Description of the examined equipment	Result
XK-18-1067675	guard	Pass
S/N:	217062-012-BSC-D	



### NDT Equipment Details

Standard	API RP 8B & ASTM E 709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### NDT procedure

Visual and MPI carried out for the above description and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect:

None

Particulars of any repair, renewal or alteration required to remedy the defect identified above:

None

ASNT Level II Inspector Name:	Signature & Stamp:	Date of Next Through Examination:
Abdullah Mofeed		29-12-2028





Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

## Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Location:	Industrial Area	Job Number:	ATS-12-23-2541
Date of Examination:	30-Dec-2023	Date of Report:	30-Dec-2023	Certificate No:	ATS-12-23-2541-PWS-001-16

Serial Number	Description of the examined equipment	Result
XK-18-1067675	bail	Pass
S/N:	47324738-1	
		

### NDT Equipment Details

Standard	API RP 8B & ASTM E 709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### NDT procedure

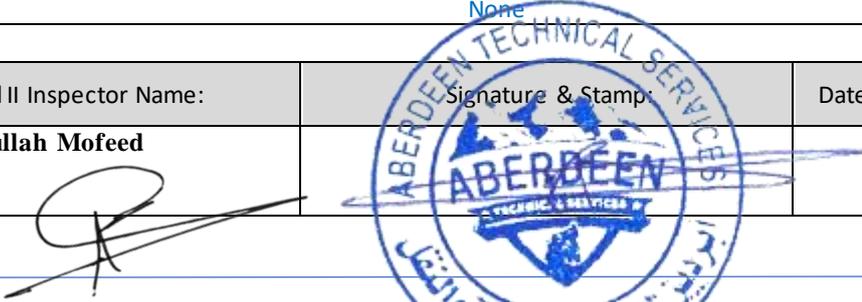
Visual and MPI carried out for the above description and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect:

None

Particulars of any repair, renewal or alteration required to remedy the defect identified above:

None

ASNT Level II Inspector Name:	Signature & Stamp:	Date of Next Through Examination:
Abdullah Mofeed		29-12-2028





Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

## Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Location:	Industrial Area	Job Number:	ATS-12-23-2541
Date of Examination:	30-Dec-2023	Date of Report:	30-Dec-2023	Certificate No:	ATS-12-23-2541-PWS-001-17

Serial Number	Description of the examined equipment	Result
XK-18-1067675	Main shaft	Pass
S/N:	10459919-001	



### NDT Equipment Details

Standard	API RP 8B & ASTM E 709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### NDT procedure

Visual and MPI carried out for the above description and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect:

None

Particulars of any repair, renewal or alteration required to remedy the defect identified above:

None

ASNT Level II Inspector Name:	Signature & Stamp.	Date of Next Through Examination:
Abdullah Mofeed		29-12-2028





Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

## Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Location:	Industrial Area	Job Number:	ATS-12-23-2541
Date of Examination:	30-Dec-2023	Date of Report:	30-Dec-2023	Certificate No:	ATS-12-23-2541-PWS-001-18

Serial Number	Description of the examined equipment	Result
XK-18-1067675	Thrust bearing	Pass
S/N:	VFT9570 + 11404	



### NDT Equipment Details

Standard	API RP 8B & ASTM E 709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### NDT procedure

Visual and MPI carried out for the above description and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect:

None

Particulars of any repair, renewal or alteration required to remedy the defect identified above:

None

ASNT Level II Inspector Name:	Signature & Stamp:	Date of Next Through Examination:
Abdullah Mofeed		29-12-2028





Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

## Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Location:	Industrial Area	Job Number:	ATS-12-23-2541
Date of Examination:	30-Dec-2023	Date of Report:	30-Dec-2023	Certificate No:	ATS-12-23-2541-PWS-001-19

Serial Number	Description of the examined equipment	Result
XK-18-1067675	Helical gear	Pass
S/N:	05142-0000	



### NDT Equipment Details

Standard	API RP 8B & ASTM E 709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### NDT procedure

Visual and MPI carried out for the above description and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect:

None

Particulars of any repair, renewal or alteration required to remedy the defect identified above:

None

ASNT Level II Inspector Name:	Signature & Stamp	Date of Next Through Examination:
Abdullah Mofeed		29-12-2028





Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

## Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Location:	Industrial Area	Job Number:	ATS-12-23-2541
Date of Examination:	30-Dec-2023	Date of Report:	30-Dec-2023	Certificate No:	ATS-12-23-2541-PWS-001-20

Serial Number	Description of the examined equipment	Result
XK-18-1067675	housing	Pass
S/N:	37059439-1	



### NDT Equipment Details

Standard	API RP 8B & ASTM E 709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### NDT procedure

Visual and MPI carried out for the above description and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect:

None

Particulars of any repair, renewal or alteration required to remedy the defect identified above:

None

ASNT Level II Inspector Name:	Signature & Stamp.	Date of Next Through Examination:
Abdullah Mofeed		29-12-2028



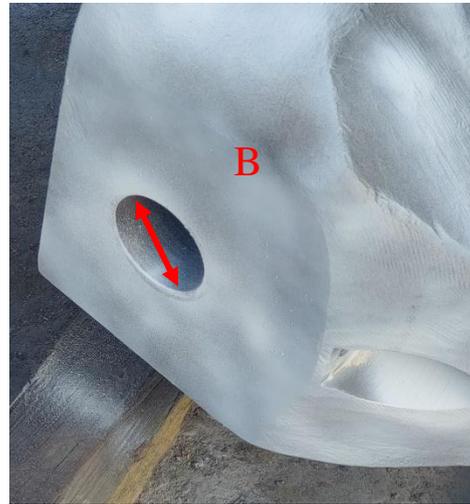


Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

## Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Location:	Industrial Area	Job Number:	ATS-12-23-2541
Date of Examination:	30-Dec-2023	Date of Report:	30-Dec-2023	Certificate No:	ATS-12-23-2541-PWS-001-21

Serial Number	Description of the examined equipment	Result
XK-18-1067675	housing	Pass
S/N:	37059439-1	



### Dimensional Verification

Length:	NA	
Description:	OEM	Actual Value (mm)
Maximum Hole Internal Diameter(A):	Shall be Verified by the client	64
Maximum Hole Internal Diameter(B):	Shall be Verified by the client	64

### NDT Equipment Details

Standard	API RP 8B & ASTM E 709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### NDT procedure

Visual and MPI carried out for the above description and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect: **None**

Particulars of any repair, renewal or alteration required to remedy the defect identified above: **None**

ASNT Level II Inspector Name:	Signature & Stamp:	Date of Next Through Examination:
Abdullah Mofeed		29-12-2028





Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

## Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Location:	Industrial Area	Job Number:	ATS-12-23-2541
Date of Examination:	30-Dec-2023	Date of Report:	30-Dec-2023	Certificate No:	ATS-12-23-2541-PWS-001-22

Serial Number	Description of the examined equipment	Result
XK-18-1067675	Bail	Pass
S/N:	47324738-1	



### Dimensional Verification

Length:	NA	
Description:	OEM	Actual Value (mm)
Maximum Hole Internal Diameter(A):	Shall be Verified by the client	63.88
Maximum Hole Internal Diameter(B):	Shall be Verified by the client	63.86

### NDT Equipment Details

Standard	API RP 8B & ASTM E 709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### NDT procedure

Visual and MPI carried out for the above description and found free of surface defects at the time of inspection  
 Identification of any part found to have a defect and a description of the defect: **None**  
 Particulars of any repair, renewal or alteration required to remedy the defect identified above: **None**

ASNT Level II Inspector Name:	Signature & Stamp:	Date of Next Through Examination:
Abdullah Mofeed		29-12-2028



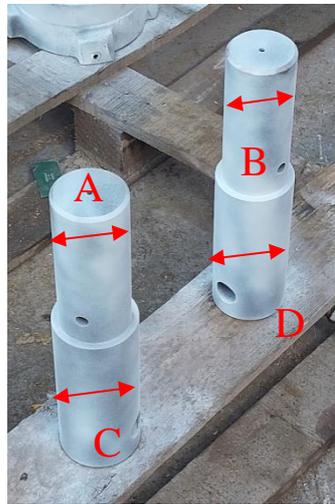


Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

## Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Location:	Industrial Area	Job Number:	ATS-12-23-2541
Date of Examination:	30-Dec-2023	Date of Report:	30-Dec-2023	Certificate No:	ATS-12-23-2541-PWS-001-23

Serial Number	Description of the examined equipment	Result
XK-18-1067675	Bail pin	Pass
S/N:	47287803-1, 47287803-3	



### Dimensional Verification

Length:	NA	
Description:	OEM	Actual Value (mm)
Maximum Outside Diameter(A):	Shall be Verified by the client	63.28
Maximum Outside Diameter(B):	Shall be Verified by the client	63.25
Maximum Outside Diameter(C):	75.43	76.00
Maximum Outside Diameter(D):	75.43	76.00

### NDT Equipment Details

Standard	API RP 8B & ASTM E 709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### NDT procedure

Visual and MPI carried out for the above description and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect: **None**

Particulars of any repair, renewal or alteration required to remedy the defect identified above: **None**

ASNT Level II Inspector Name:	Signature & Stamp:	Date of Next Through Examination:
Abdullah Mofeed		29-12-2028





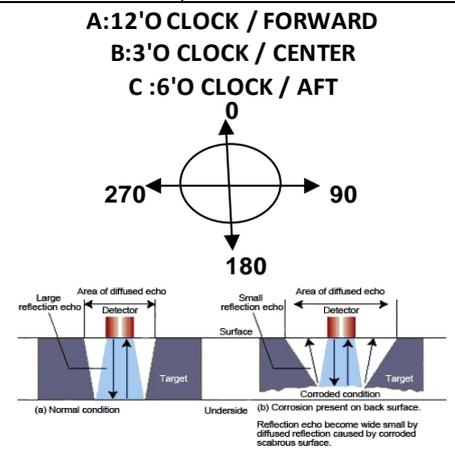
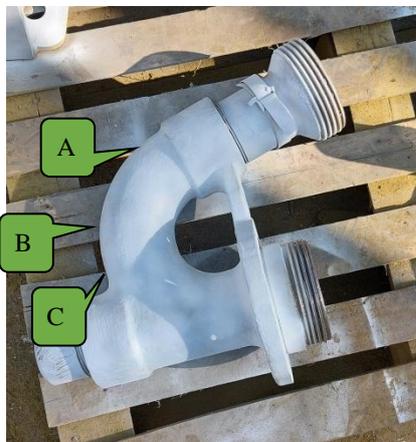
Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

## Visual, Magnetic Particles Examination and Ultrasonic Thickness Report

Client Name:	Hilong Oil Services & Engineering	Location:	Industrial Area	Job Number:	ATS-12-23-2541
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Date of Examination	30-Dec-2023	Date of Report:	30-Dec-2023	Certificate No:	ATS-12-23-2541-PWS-001-24
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Serial Number	Description of the examined equipment	Result
10452115-001	Gooseneck	Accepted



ANGLES	UT WALLTHICKNESS POSITION MEASURED IN MM								MINIMUM THICKNESS
	A	B	C	D	E	F	G	H	
0°	13.09	13.12	12.59	-	-	-	-	-	6.98
90°	13.05	12.89	12.85	-	-	-	-	-	
180°	13.12	12.99	12.94	-	-	-	-	-	
270°	12.97	13.03	12.75	-	-	-	-	-	

### Equipment Details

Standard	ASTM E797/ ASTM E709/API RP 8B	Specification:	H.H OEM Data Book	Method	WET
Yoke	Permanent	Serial No:	PY-09	Due Date	16-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025
Ultrasonic Thickness Meter	UT-1	Serial No:	5202746	Due Date	16-2-2024

### INSPECTION EVALUATION

During UT all the readings are within the tolerance and Accepted according to the specification mentioned above.

Visual and MPI carried out for the above description and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect: **None**

Remarks: Minimum of Wall thickness Provided By OEM

ASNT Level II Inspector Name:	Signature & Stamp:	Date of Next Through Examination:
Abdullah Mofeed		29-12-2024





Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

### Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Location:	Industrial Area	Job Number:	ATS-12-23-2541
Date of Examination:	30-Dec-2023	Date of Report:	30-Dec-2023	Certificate No:	ATS-12-23-2541-PWS-001-25

Serial Number	Description of the examined equipment	Result
XK-18-1067675	Wire line plug and Thraeds	Pass
S/N:	317921/005	



#### NDT Equipment Details

Standard	API RP 8B & ASTM E 709	Viewing Condition:	Colored Media	Method	WET
Dc coil	Dc coil	Serial No:	026	Due Date	17-02-2024
fluorescent magnetic ink	FLUXO 6	Batch No:	L221115	Due Date	15-11-2027
Uv light	Uv light	Batch No:	-	Due Date	17-02-2024

#### NDT procedure

Visual and black light inspection carried out for the **Wire line plug and threads** and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect: **None**

Particulars of any repair, renewal or alteration required to remedy the defect identified above: **None**

ASNT Level II Inspector Name:	Signature & Stamp:	Date of Next Through Examination:
Abdullah Mofeed		29-12-2028



Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

**Certificate of Thorough Examination & NDT of Lifting Equipment**

This Certificate complies with the requirements of the Lifting Equipment Operations and Lifting Equipment Regulations

Client Name:	Hilong Oil Services & Engineering	Rig Number:	HL100	Job Number:	ATS-12-23-2541
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Date of Examination:	30/12/2023	Date of Report:	30/12/2023	Certificate No:	ATS-12-23-2541-MPI-158
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Serial Number:	QTY	Description	SWL	Date of last Thorough examination
BP2	01	<p><b>Fabricated Pad Eyes</b></p> <p>Pad Eye Dimension                      Thickness : 19 MM                      Pin Hole : 18 MM                      Length : 108 MM                      Height : 76 MM</p> <p>Location : bail pad eye for power swivel                      ( XK-18-1067675 )</p>	3 TON	N/A
				

Reference Standard: LEEA DOC 048:2015

Is this the first examination after Installation or assembly at a new site or location?	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	Was the examination carried out: Within an interval of 6 months?	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>
						With an interval of 12 months?	YES	<input type="checkbox"/>	NO
If the answer to the above question is YES has the equipment been installed correctly?	YES	<input type="checkbox"/>	NO	<input type="checkbox"/>	In accordance with an examination scheme? After the occurrence of exceptional circumstances?	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>
						YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>

Identification of any part found to have a defect which is or could not become a danger to persons and a description of the defect: (If none State NONE) **NONE**

Is the above a defect which is of immediate danger to persons: YES  NO

Is the above a defect which is not yet but could become a danger to persons (If YES state the date by when) N/A

Particulars of any repair, renewal or alteration required to remedy the defect identified above: **NONE**

IS THIS EQUIPMENT SAFE TO OPERATE? YES  NO

**NDT Equipment Details**

Standard	API RP 4G CAT III & ASTM E709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	201504044	Due Date	16-02-2024
Vernier Caliper	Digital	Serial No:	8914	Due Date	2024-02-16
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

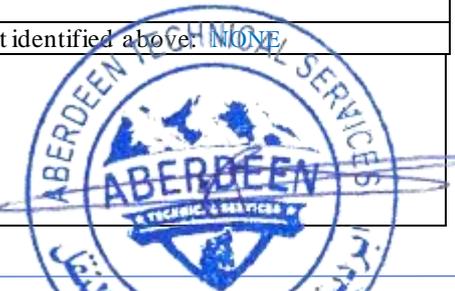
**NDT Results**

Visual and MPI carried out for the above description and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect: **NONE**

Particulars of any repair, renewal or alteration required to remedy the defect identified above: **NONE**

Name of Inspector:	Name of person authenticating this report:
Abdullah Mofeed	Hasan Omran
	Signature & Stamp:
Latest date by which next thorough examination must be carried out: 29-06-2024	





Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

**Inspection Report For Saver Sub**

Client Name:	HILONG OIL SERVICES & ENGINEERING CO.LTD / Hilong 100	Job No.:	ATS-12-23-2541
Specification:	<input type="checkbox"/> API <input checked="" type="checkbox"/> DS-1 <input type="checkbox"/> Client	Date of Inspection:	04/01/2024
Work Location:	HILONG BASE	Report No:	ATS-12-23-2541-SS-01

METHODOLOGY:	<ul style="list-style-type: none"> <li>Through Visual inspection</li> <li>Dimensional 3</li> </ul>	•MPI inspection with Ultraviolet light
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TEST EQUIPMENT & CONSUMABLE DETAILS			
WHITE CONTRAST WCP-2	Batch #: 220602 Manufacture: Magnaflux Exp Date: JUN.2025	TECHNICAL DETAILS	Wet Visible Continuous
BLACK INK 7HF	Batch#: .220605 Manufacture: Magnaflux Exp Date: JULY.2025	COIL(1200 AMP-TURNS/IN	RC2-060120151 CAL.Date. 17.AUG.2023 CAL Due Date 16.FEB.2024
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March.2025	A.C HAND YOKE	201504044 CAL.Date. 17.AUG.2023 CAL Due Date 16.FEB.2024
INTENSITY METER	SR#1608000134 CAL. Date. 17.AUG.2023 CAL Due Date 16.FEB.2024	UV BLACK LIGHT	SR#52852 CAL.Date. 17.AUG.2023 CAL Due Date 16.FEB.2024
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 CAL. Date. 17.AUG.2023 CAL Due Date 16.FEB.2024	THREAD PROFILE GAGE	SR#21336 CAL.Date. 17.AUG.2023 CAL Due Date 16.FEB.2024 SR#21335 CAL.Date. 17.AUG.2023 CAL Due Date 16.FEB.2024
Magnetic Particle Concentration 7 HF	1.2 TO 2.4 ML/100ML	WMPT Light Intensity	1350 Lux
magnetic particle concentration fluorescent 14 HF	0.1 TO 0.4 ML/100ML	UV LIGHT INTENSITY:	2850 μw/cm <sup>2</sup>
Magnetism Direction (Longitudinal)			

Serial No.	Description	Connections		Inspection Results			Dimensional 3 Inspection														
		Pin	Box	Pin	Box	Body	Pin				Box					Body					
							OD(In)	ID(In)	SRG φ(In)	SRG ω(In)	Pin λ(In)	Bevel φ(In)	OD(In)	CB φ(In)	CB δ(In)	BBB φ(In)	BBL δ(In)	Bevel φ(In)	Pin Tong (In)	Overall λ (In)	Fishin g Neck (In)
270653-5	Saver sub	NC 38	NC 38	Acc	Acc	Acc	4 25/32	2 1/4	-	-	3 15/16	4 21/32	4 25/32	4 1/16	5/8	-	-	4 21/32	-	17"	-

**Conclusion :** ■ 01 saver sub above was found "Acceptable". At time of Inspection and Ready for Use.

**Abbreviations :**

OD	Outside Diameter	ID	Inside Diameter	SRG	Stress Relief Groove	CB	Counter Bore	BB	Bore Back	FB	Float Bore
φ	Diameter	λ	Length	ω	Width	δ	Depth	NP.	Not Present	NA.	Not Applicable
EGR	Elevator Groove Recess	SGR	Slip Groove Recess	CR	Crack	B	Bent	PC	Premium Class	RF	Reface
GT	Galled Thread	TP	Thread Pitting	SP	Seal Pitting	TD	Thread Damage	SD	Seal Damage	M	Mashed
1	100 % Coating	2	99-71 % Coating	3	70-40 % Coating	4	Up to 40 %	5	Nil	WT	Wall Thickness
Colors Code:		Red	Re-cut Conn.	Yellow	2 <sup>nd</sup> Class	Orange	3 <sup>rd</sup> Class	Blue	Short T. Joint	Green	Need Hard Banding



Supervisor: Hasan Omran

Inspector: \_\_\_\_\_

Sherief Mohamed





Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

**Inspection Report for Main Shaft Lower Connection**

Client Name:	HILONG OIL SERVICES & ENGINEERING CO.LTD / HILONG 100	Job No.:	ATS-12-23-2541
Specification:	<input type="checkbox"/> API <input checked="" type="checkbox"/> DS-1 <input type="checkbox"/> Client	Date of Inspection:	04/01/2024
Work Location:	Hamdan Industrial Area	Report No:	ATS-12-23-2541-LC-01

Méthodologie:	<ul style="list-style-type: none"> <li>Through Visual inspection</li> <li>MPI inspection with Ultraviolet Light.</li> <li>Dimensional 3</li> </ul>
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TEST EQUIPMENT & CONSUMABLE DETAILS			
WHITE CONTRAST WCP-2	Batch #: 220602 Manufacture: Magnaflux Exp Date: JUN,2025	TECHNICAL DETAILS	Wet Visible Continuous
BLACK INK 7HF	Batch#: 220605 Manufacture: Magnaflux Exp Date: JULY,2025	COIL (1200 AMP-TURNS/IN	RC2-060120151 CAL.Date: 17.AUG.2023 CAL Due Date 16.FEB.2024
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March,2025	A.C HAND YOKE	201504044 CAL.Date: 17.AUG.2023 CAL Due Date 16.FEB.2024
INTENSITY METER	SR#1608000134 CAL. Date: 17.AUG.2023 CAL Due Date 16.FEB.2024	UV BLACK LIGHT	SR#52852 CAL.Date: 17.AUG.2023 CAL Due Date 16.FEB.2024
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 CAL. Date: 17.AUG.2023 CAL Due Date 16.FEB.2024	THREAD PROFILE GAGE	SR#21336 CAL.Date: 17.AUG.2023 CAL Due Date 16.FEB.2024
Magnetic Particle Concentration 7 HF	1.2 TO 2.4 ML/100ML	WMPT Light Intensity	1350 Lux
magnetic particle concentration fluorescent 14 HF	0.1 TO 0.4 ML/100ML	UV LIGHT INTENSITY:	2850 μw/cm <sup>2</sup>
Magnetism Direction (Longitudinal)			

Serial No.	Description	Connections		Inspection Results			Dimensional 3 Inspection																		
		Pin	Box	Pin	Box	Body	Pin					Box					Body								
							OD(In)	ID(In)	SRG φ(In)	SRG φ(In)	Pin λ(In)	Bevel φ(In)	OD(In)	CB φ(In)	CB δ(In)	BBB φ(In)	BBL δ(In)	Bevel φ(In)	Pin Tong (In)	Overall λ (In)	Fishin g Neck (In)				
10459919-001	Main Drive Shaft-Lower connection	NC 38	-	Acc	-	Acc	4 5/8"	2 1/4	-	-	4	4 1/2"	-	-	-	-	-	-	-	-	-	-	-	36 1/2"	-

Conclusion :	<ul style="list-style-type: none"> <li>01 lower connection of main drive shaft of power swivel above was found "Acceptable". At time of Inspection - Ready for Use.</li> </ul>
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**Abbreviations :**

OD	Outside Diameter	ID	Inside Diameter	SRG	Stress Relief Groove	CB	Counter Bore	BB	Bore Back	FB	Float Bore
φ	Diameter	λ	Length	ω	Width	δ	Depth	NP.	Not Present	NA.	Not Applicable
EGR	Elevator Groove Recess	SGR	Slip Groove Recess	CR	Crack	B	Bent	PC	Premium Class	RF	Reface
GT	Galled Thread	TP	Thread Pitting	SP	Seal Pitting	TD	Thread Damage	SD	Seal Damage	M	Mashed
1	100% Coating	2	99-71% Coating	3	70-40% Coating	4	Up to 40%	5	Nil	WT	Wall Thickness
Colors Code:		Red	Re-cut Conn.	Yellow	2 <sup>nd</sup> Class	Orange	3 <sup>rd</sup> Class	Blue	Short T. Joint	Green	Need Hard Banding



Inspector: Hasan Omran

Inspector: Sherief Mohamed



Customer:	Hilong Oil Services & Engineering – Rig 100	Date Of Service:	30-DEC-2023
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-12-23-2541-PWS-001
Location:	Hamdan Industrial Area	Specification:	API RP 8B

**PICTORIAL:**

