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1 Introduction

Specialist Oilfield Services (SOS) were requested by to carry out a CAT IV on the 37.5 IDECO Rotary Table, Serial No122 for their Client IR&E. This work was conducted under Job No: JO-25-387

			
			
	Our Scope: Inspection & Re-Certification of Rotary Table.		
Client	IR&E	Date	18/02/2025
Quote Ref#	SOS/QT/IRE/187/25	Contact Person	Dan Asher
Equipment	IDECO LR-37.5 Rotary Table	Revision#	0
Currency	USD	Model	NOV- D495
APPROVALS			
 			
Reviewed By Production Manager		Approved By Business Head	
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Location: Specialist Oilfield Services K.S.C. address : P.O. box 25495, Safat 13115, Plot No 94, Area 1, Shuaiba Industrial Area, Meena Abdulla, Kuwait.			
Contact: Telephone: +965 23262962, 23262965, Fax: +965 23262982 Website : http://www.soskw.com/			

2 Scope of Work

2.1 Site Scope of Work REF PO TS/612/845 REV 2

Pre-inspection:

- Inspect for identification and traceability of the Rotary Table.
- Capture photographs for condition and traceability of the Rotary Table.
- Visually inspect for any external damage, missing parts, loose parts, damaged fastening, general condition of Rotary Table.

Dismantling and cleaning:

- Dismantle the full assembly into components
- Dismantle the components such as (Top cover, Rotary assembly, Pinion gear and shaft, bearing housing and bearing balls).
- Blast (Sa 2.5) and cleaning of all the applicable items for inspection.

Visual inspection:

- All components for general condition, missing or damage parts, corrosion, wear, etc.
- MPI on all weld joints, housing area, main bearing race (upper & lower), Main bearing balls, Pinion Gear and Pinion Shaft assembly and all load areas in accordance with ASTM E709.
- Verify a clear flow path for grease.

Assembly and function check:

- Paint all the components prior to assembly.
- Replacement of recommended parts/components and additional parts which got rejected upon inspection.
- Assembly of the components using recommended lubrications as per assembly procedure.
- Check bearing clearance.
- Check backlash.

2.2 Inspection Reports

SOS		Specialist Oilfield Services K.S.C		SOS / QA / 10	
INSPECTION REPORT					
Job Number	JO-25-387		Report Number	JO-25-387-2-02	
Item Detail	IDECO LR-37.5 Rotary Table		Inspection Date	13/05/2025	
Traceability	SN# 122		Procedure ref.	QIP-45 Issue 01 Rev 04.	
Customer	IR&E		Acceptance STD	-	
Inspection Stage					
As received	After blasting / cleaning	After Pre-machining / proof machining	After welding	After final machining	After heat treatment
					Prior assembly
					After testing
					After painting / coating
					Final Inspection
Inspection Details					
#	Part Detail	Observation		Recommendation / Remark	
1	IDECO LR-37.5 Rotary Table Make : IDECO SN# 122	# Dismantling of parts on going		# Subjected to client	
NOTE: N/A : NOT AVAILABLE / APPLICABLE PICTURES / SKETCH / DRAWING REFERENCE					
   					

		Specialist Oilfield Services K.S.C		SOS / QA / 10	
INSPECTION REPORT					
Job Number	JO-25-387	Report Number	JO-25-387-2-02		
Item Detail	IDECO LR-37.5 Rotary Table	Inspection Date	13/05/2025		
Traceability	SN# 122	Procedure ref.	QIP-45 Issue 01 Rev 04		
Customer	IR&E	Acceptance STD	-		
 					
Inspected By	Specialist Oilfield Services		Verified By	Specialist Oilfield Services	
Name	Hasan Muhammed		Name	Arsath Allan	
Date	13/05/2025		Date	13/05/2025	
Signature			Signature		
Issue No. / Issue Date: 01 / 01/04/2024 Rev. No. / Rev. Date: 01 / 11/11/2024					

SOS		Specialist Oilfield Services K.S.C		SOS / QA / 10	
INSPECTION REPORT					
Job Number		JO-25-387		Report Number	
				JO-25-387-2-01	
Item Detail		IDECO LR-37.5 Rotary Table		Inspection Date	
				11/05/2025	
Traceability		SN# 122		Procedure ref.	
				QIP-45 Issue 01 Rev 04.	
Customer		IR&E		Acceptance STD	
				-	
Inspection Stage					
As received	After blasting / cleaning	After Pre- machining / proof machining	After welding	After final machining	After heat treatment
					Prior assembly
					After testing
					After painting / coating
					Final Inspection
Inspection Details					
#	Part Detail	Observation	Recommendation / Remark		
1	IDECO LR-37.5 Rotary Table Make : IDECO SN# 122	# Main body (SN: 122) external surface visually found ok #Master Bushing (SN: 310116) - lock pin found stuck (Qty-2 nos) # Pinion Hub (SN: N/A) : external surface visually found OK # Cover Plate (SN: Ideco-375-E): external surface visually found ok	# Subjected to client		
NOTE: N/A : NOT AVAILABLE / APPLICABLE PICTURES / SKETCH / DRAWING REFERENCE					
   Master Bushing Pinion Hub Cover plate Main Body					

		Specialist Oilfield Services K.S.C		SOS / QA / 19	
INSPECTION REPORT					
Job Number	JO-25-387		Report Number	JO-25-387-2-01	
Item Detail	IDECO LR-37.5 Rotary Table		Inspection Date	11/05/2025	
Traceability	S/N# 122		Procedure ref.	QIP-45 issue 01 Rev 04.	
Customer	IR&E		Acceptance STD	-	
Master bushing lock pin stuck  					
Inspected By	Specialist Oilfield Services		Verified By	Specialist Oilfield Services	
Name	Hasan Muhammed		Name	Arsath Allan	
Date	11/05/2025		Date	11/05/2025	
Signature			Signature		
					
Issue No. / Issue Date: 01 / 01/04/2024 Rev. No. / Rev. Date: 01 / 11/11/2024					



SERVICE REPORT

SOS/PRD/12

Details

Customer Name	IR&E	Report No	
PO Ref.	TS/612/845 REV 2	Job No.	JO/25/387
Rig No.	N/A	Date:	31/DEC/2016
Equipment Description	IDECO LR-375 ROTARY TABLE	SN/ID#	122
Scope of Work	Cat IV Overhaul		
Job Issue Date:	May -10-2025	Job Completion Date	22/Sep/2025

Note: 1. The report must be printed in colour to ensure clarity and visibility of inspection evidence. 2. This Service Report briefs about Service-Related Product receiving inspection to the final delivery with adequate pictures.

Service History

Safety Considerations:

1. Ensure proper work permits are obtained before performing maintenance on this equipment.
 2. Ensure personnel performing this maintenance are familiar with the equipment and manufacturer's operation and maintenance manual before beginning.
 - 3 A pre-job safety meeting must be held with all personnel involved to ensure that individuals understand their roles, and the contents of this procedure.
- Good: Equipment is in good condition with little to no corrosion, damage, or leaks. Observations and measurements indicate little to no wear.
- Fair: Equipment is in fair condition with some indications of corrosion, damage, or leaks. Observations and measurements indicate some wear but still within allowable limits.
- Poor: Equipment is in poor condition with indications of moderate to significant corrosion, damage, or leaks. Observations and measurements indicate moderate to heavy wear, bordering on allowable limits.
- Bad: Equipment is bad condition with evidence of severe corrosion, damage or leaks that could affect operation. Wear is outside of allowable limits.

SCOPE OF WORK: Disassembly, Inspection & Assembly of Rotary Table.

Finding



SUMMARY:

- Rotary table 37 1/2" was received SOS facility on May10,2025 for category IV inspection & overhaul. The assembly was dismantled, inspection performed, repaired & re-painted as per OEM specifications & procedures.
- All the new bearings & seals as per OEM recommendations.
- All the bearings were installed with new grease before assembly.

DIMENSIONAL INSPECTION:

- Dimensional checks were carried out on the Base ,Top plate, Ring Gear, Hold Down Ring, Bearing Retainer, Master Bushing ,Pinion Gear ,Sprocket, Sprocket Hub, Main Bearing , Pinion Shaft & All the pin bore ID & Pinion shaft OD measurements were taken using calibrated measuring instruments. Found ok.

IDECO LR-375 ROTARY TABLE.

Found multiple crack indications on the Base (P/N 308-123), weld repair done as per WPS.

Table assembly.

Bull Gear.

Pinion Gear.

Tie-Down lugs.

Visually inspected the bull Gear. Moderate pitting found.

Checked the gear backlash. Found to be 0.025" at some areas, which is below the allowable range.

INITIAL BACKLASH. (BETWEEN PINION GEAR TO RING GEAR)

at 0 degrees: 0.025"

at 90 degrees: 0.027" (Spec.=0.031" to 0.045")

at 180 degrees: 0.032"

at 270 degrees: 0.035"

Main Bearing Initial End play. Found 0.004" (Spec. 0.002" to 0.006")

After inspection review customer decided Master Bushing not required to be repaired.

MAIN BEARING FINAL END PLAY : 0.003"



FINAL BACKLASH (BETWEEN PINION GEAR TO RING GEAR)

at 0 degrees: 0.036"

at 90 degrees: 0.034" (Spec.=0.031" to 0.045")

at 180 degrees: 0.036"

at 270 degrees: 0.034"



- Filled the RT with oil & checked the Rotation Manually.
- No leakage or abnormal sound was observed.

RECOMMENDATION.

- Fill the RT with oil, Prior to testing with motor @ RIGSITE.



SERVICE REPORT

SOS/PRD/12

Action Taken: (Attach Photos: Read from left to right)



Activity 1



Activity 2



Activity 3



Activity 4



Activity 5



Activity 6



Activity 7



Activity 8



Activity 9



Activity 10



Activity 11



Activity 12



Activity 13



Activity 14



Activity 15



SERVICE REPORT

SOS/PRD/12

Spares

Spare Parts Change (If Applicable)		☒ Yes ☐ No	
Part Description (If Yes)			
S/No	Qty	Item Description	Part number
1	1	Pinion End Roller Bearing	IB-443
2	10	3/4" NC Cap screw 2" Length	
3	1	Sprocket End Roller Bearing	IB-661
4	As Req	Shims	308-115
5	1	Oil Seal	IO-305
6	1	Oil Seal Race	BMT-1001-895
7	1	Pinion Key	IB-443
8	As Req	Shims, Main Bearing	308-110
9	8	1" NC Elastic Stop Nut	
10	16	Special Cap screw	BMT-2888-6-26
11	As Req	Shims ,For Main Bearing Support Ring	308-111
12	2	Drain Plug-1 1/2" NPT	
13	6	Stud W/ Lock nut	299-J
14	As Req	Copper Gasket	IG-234
15	1	Lock Pin	10308-43A
16	1	Pin	10308-43C
17	1	Cotter Pin	1/8" x 1"
18	1	Washer	10308-43D
19	1	Lock Pin	389-59
20	1	Pin	340-25B
21	1	Spring	312-ME
22	1	Cotter Pin	1/2" Dia x1 1/2"
Conclusion / Compliance :			

Work Done By		Checked By		Verified By	
Name	MUTHU.PP	Name	V. Karczewski	Name	RAJKAHAL . N
Position	Production Engr. / Supervisor	Position	After Market Service Manager	Position	QA/QC Head / QA Eng.
Date	22-Sep-2025	Date	09/10/2025	Date	09/10/2025
Signature		Signature		Signature	



SOS		DIMENSIONAL INSPECTION REPORT				SOS / QA / 02			
Client:	IR&E	Report No.: JO-25-387-4-01	Instrument used: 11638/2024, SOS/IM/0264			☒ As received ☐ Inprocess Inspection ☐ Final Inspection			
Job #:	JO-25-387	Date:	20-05-2025						
Rig #:	-	PO:	-						
#	Item / Component / Part Description	Serial No. / Part No.	Location	Actual Dimension			Visual condition	Status	Recommendation
1	Master Bushing - A Pin Bore ID	PN# 16555A	A1	1	2	3	-	-	-
			A2	4.168	4.119	4.125			
			A3	4.124	4.18	4.15			
			B1	4.139	4.159	4.147			
			B2	4.142	4.177	4.163			
			A1	4.169	4.183	4.141			
			A2	4.140	4.124	4.137			
			A3	4.155	4.133	4.128			
			B1	4.132	4.169	4.141			
			B2	4.147	4.19	4.18			
Master Bushing - B Pin Bore ID		A1	1	2	3				
		A2	4.168	4.119	4.125				
		A3	4.124	4.18	4.15				
		B1	4.139	4.159	4.147				
		B2	4.142	4.177	4.163				
		A1	4.169	4.183	4.141				
		A2	4.140	4.124	4.137				
		A3	4.155	4.133	4.128				
		B1	4.132	4.169	4.141				
		B2	4.147	4.19	4.18				

NOTE: All dimensions are in inches.



Inspected by: Hasan Muhammed

Sign: *[Signature]*

Date: 20-05-2025

Witnessed or Verified by: Ahsan Allan

Sign: *[Signature]*

Date: 20-05-2025

Legends

A : Accepted

R: Rejected

RW: Re-work



SOS										DIMENSIONAL INSPECTION REPORT										SOS / QA / 02	
Client:		IR&E		Report No: JO-25-387-4-02		Instrument used: CAL/SOS/OM/036															
Job #:		JO-25-387		Date: 20-05-2025																	
Rig #:		-		P.O.:																	
#	Item / Component / Part Description	Serial No. / Part No.	Location	Actual Dimension			Visual condition	Status	Recommendation												
				1	2	3															
1	Pinion shaft - A OD	PN# N/A	A	4.031	4.056	4.045	-	-													
	Pinion shaft - B OD			A	4.020	4.048					4.031										
NOTE: All dimensions are in inches.																					
																					
Inspected by:		Hasan Muhammed		Witnessed or Verified by:		Arsath Allain				Legends											
Sign:										A : Accepted R: Rejected RW: Re-work											
Date:		20-05-2025				20-05-2025															
																					
Issue Date: 02/01/2021 Rev: 01/01/2021 Rev: 02/01/2021																					

SOS										DIMENSIONAL INSPECTION REPORT										SOS / QA / 02	
Client:		IR&E		Report No.: JO-25-389-4-03		Instrument used: CAL/SOS/MA/008						☒ As received									
Job #:		JO-25-387		Date: 20-05-2025								☐ Improper Inspection									
Rig #:		-		P.O.:-								☐ Final Inspection									
#	Item / Component / Part Description	Serial No. / Part No.	Location	Actual Dimension				Visual condition	Status	Recommendation											
				1	2	3	4														
1	Master Bushing Assembled ID	PWA 16555A	A	20.803	20.706	20.613	20.723	-	-	-											
			B	19.115	19.256	19.329	19.329														
			C	19.107	19.063	19.105	19.106														
NOTE: All dimensions are in inches.																					




Inspected by:		Witnessed or Verified by:		Legends	
Name: Hasen Muhammed		Name: Arsaft Allan		A : Accepted	
Sign: 		Sign: 		R : Rejected	
Date: 20-05-2025		Date: 20-05-2025		RW: Re-work	



DIMENSIONAL INSPECTION REPORT SOS / QA / 02											
Client: IR&E		Report No.: JO-25-387-4-04		Instrument used : CAL/SOS/OM/038 , SOS/OM/036							
Job #: JO-25-387		Date: 20-05-2025									
Rig #:		PO: -		☒ As received ☐ Inprocess Inspection ☐ Final Inspection							
#	Item / Component / Part Description	Serial No. / Part No.	Location			Actual Dimension			Visual condition	Status	Recommendation
						1	2	3			
1	Pinion shaft OD	PN# 308-139	A			5.110	5.111	-	-	-	-
			B			5.120	5.121	-			
			C			6.511	6.514	-			
			D			5.725	5.723	-			
NOTE: All dimensions are in inches.											
Inspected by: Name: Hasan Muhammed Sign: <i>[Signature]</i> Date: 20-05-2025 Witnessed or Verified by: Name: Arsalin Allan Sign: <i>[Signature]</i> Date: 20-05-2025 Legends A : Accepted R: Rejected RW: Re-work											



SOS							DIMENSIONAL INSPECTION REPORT				SOS / QA / 02	
Client:		IR&E		Report No.: JO-25-387-405		Instrument used : CAL/SOS/IM/008						
Job #:		JO-25-387		Date: 20-05-2025								
Rig #:		-		PO: -								
#	Item / Component / Part Description	Serial No. / Part No.	Location	Actual Dimension			Visual condition	Status	Recommendation			
				1	2	3						
1	Pinion Gear ID	PIN# 308-85-02	A	5.745	5.747	5.747	-	-	-			
NOTE: All dimensions are in inches.												
												
Inspected by:		Hasan Muhammed		Witnessed or Verified by:		Arsath Allan		Legends				
Sign:								A : Accepted R: Rejected RW: Re-work				
Date		20-05-2025		Date		20-05-2025						
												
Rev No. Date: 0201 01/2013 Rev: Revision 02/25 07/2023												

DIMENSIONAL INSPECTION REPORT SOS / QA / 02									
Client: IR&E		Report No.: JO-25-387-406		Instrument used: CAL/SOS/MM008					
Job #: JO-25-387		Date: 21-05-2025		PO: -					
Rig #:									
#	Item / Component / Part Description	Serial No. / Part No.	Location	Actual Dimension			Visual condition	Status	Recommendation
				1	2	3			
1	Sprocket Hub ID	PN# 308-95-02	A	5.110	5.108	5.109	-	-	-
NOTE: All dimensions are in inches.									
Inspected by: Hasan Muhammed			Witnessed or Verified by: Arsalin Alan			Legends			
Sign: <i>Hasan Muhammed</i>			Sign: <i>Arsalin Alan</i>			A : Accepted R: Rejected RW: Re-work			
Date: 21-05-2025			Date: 21-05-2025						
Issued Date: 02/01/2023 Rev: 01/01/2023									



SOS										DIMENSIONAL INSPECTION REPORT										SOS / QA / 02	
Client:		IR&E			Report No.: JO-25-387-4-07		Instrument used CAL/SOS/IM/008						☒ As received ☐ Inprocess Inspection ☐ Final Inspection								
Job #:		JO-25-387			Date: 21-05-2025																
Rtg #:		-			P.O.:																
#	Item / Component / Part Description	Serial No. / Part No.	Location			Actual Dimension			Visual condition	Status	Recommendation										
			1	2	3																
1	Cap sube ID	PN# 308-95-02	A			10.565	10.569	10.568	-	-	-										
			B			11.017	11.022	11.019	-	-	-										

NOTE: All dimensions are in inches.




Inspected by: Hasan Muhaimmed		Witnessed or Verified by: Arsalan Allan		Legends	
Sign: <i>Hasan Muhaimmed</i>		Sign: <i>Arsalan Allan</i>		A : Accepted R: Rejected RW: Re-work	
Date: 21-05-2025		Date: 21-05-2025			

Ins No. 0246 / 0201 052015
Rev: 04/05/2025



SOS										DIMENSIONAL INSPECTION REPORT										SOS / QA / 02	
Client:		IR&E		Report No.: JO-25-387-408		Instrument used: CAL/SOSIM006						☒ As received ☐ Inprocess Inspection ☐ Final Inspection									
Job #:		JO-25-387		Date: 21-05-2025																	
Rtg #:		-		P.O. #:																	
#	Item / Component / Part Description	Serial No. / Part No.	Location	Actual Dimension			Visual condition	Status	Recommendation												
				1	2	3															
1	Main bearing Assembly Middle Riser ID	PN# 308-95-02	A	41.056	41.051	41.053	-	-													
NOTE: All dimensions are in inches. 																					
Inspected by: Hasan Muhammed Signed: <i>[Signature]</i> Date: 21-05-2025													Witnessed or Verified by: Arsath Allan Signed: <i>[Signature]</i> Date: 21-05-2025		Legends A : Accepted R : Rejected RW : Re-work						



DIMENSIONAL INSPECTION REPORT SOS / QA / 02									
Client: IR&E		Report No.: JO-25-387-4-09		Instrument used: CAL/SOSIM/006					
Job #: JO-25-387		Date: 21-05-2025							
Rig #:		PO: -		☒ As received ☐ In-process Inspection ☐ Final Inspection					
#	Item / Component / Part Description	Serial No. / Part No.	Location	Actual Dimension			Visual condition	Status	Recommendation
				1	2	3			
1	Main bearing Assembly Upper Riser ID	PN# 308-96-01	A	41.231	41.231	41.232	-	-	-
NOTE: All dimensions are in inches.									
Inspected by: Hassan Muhammed		Witnessed or Verified by: Arsath Allan							
Sign: <i>Hassan Muhammed</i>		Sign: <i>Arsath Allan</i>							
Date: 21-05-2025		Date: 21-05-2025							
Issued Date: 02/01/2023 Rev: 02/05/2025									
Legends A : Accepted R: Rejected RW: Re-work									

SOS										DIMENSIONAL INSPECTION REPORT										SOS / QA / 02	
Client:		IR&E		Report No.: JO-25-387-4-10		Instrument used		CAL/SOSIM/006						☒ As received ☐ Inprocess Inspection ☐ Final Inspection							
Job #:		JO-25-387		Date:		21-05-2025															
Rig #:		-		PO: -																	
#	Item / Component / Part Description	Serial No. / Part No.	Location	Actual Dimension			Visual condition	Status	Recommendation												
				1	2	3															
1	Main bearing Assembly Upper Riser ID	PN# 308-96-01	A	41.007	41.008	41.008	-	-	-												
NOTE: All dimensions are in inches.																					
																					
Inspected by:		Hasan Muhammed		Witnessed or Verified by:		Arsath Allan		Legends													
Sign:								A : Accepted R: Rejected RW: Re-work													
Date		21-05-2025		Date		21-05-2025															
																					
Job No. Date: 02/01/08 2013 Rev No. Date: 02/05/07 2020																					

		Specialist Oilfield Services K.S.C			
MAGNETIC PARTICLE EXAMINATION (MT) REPORT					SOS / QA / 06

Contract/Job No.: JO-25-387		Report No.: JO-25-387-3-01		Date: 20-05-2025	
Customer: IR&E		Part:		As denoted below	
Item/Component: IDECO LR-37.5 Rotary Table- Parts Assy SN# 122		Thickness:		--	
Material: Ferro-magnetic material		Surface Temperature:		35°C	
Procedure No & Rev.: PRO/NDE/04, issue 4 Rev 8		MT Equipment:		☒ YOKE ☐ COIL	
Acceptance Standard: AWS D1.1		Model #:		--	
Consumable Manufacturer: Magnaflux		Lifting Capacity & Current Type:		4.54 Kg & AC	
Technique / Method		Pole Separation (3"-8"):		100 mm	
☒ Wet Non-Fluorescent ☐ Wet Fluorescent		Light Equipment:		☒ lamp ☐ UV Lamp	
Surface Enhancement Contrast:		Light level:		>1078 Lux	
☒ 2 thin coats ☐ N/A		Dark Room Intensity:		N/A	
EQUIPMENT DETAILS		Drawing No.:		--	
MPI Yoke		Demagnetization:		Yes	
Light Equipment		Magnetic Flux Indicator:		Pie gauge (SOS/PIG/01)	

EXAMINED PRODUCT / SURFACE CONDITION:			COVERAGE / AREA EXAMINED:		
☐ As Received	☐ Grounded	☐ Wire Brushing	☒ 100%	☐ Specific Location (Detail) --	
☐ Machined	☐ As Welded	☐ Other	☒ All Accessible area		
☐ After PWHT	☒ Grit Blasted		☐ Weld Joint (s)		
EXAMINATION STAGE:			NON-EXAMINED AREA:		
☐ Initial ☐ Intermediate ☒ Final			--		

CONSUMABLES DETAILS:		Type		Batch Number		Magnetizing Direction: Two directions (right angles to each other). Performed in two directions	
White Contrast		Magnavis WCP-2		240202			
Black Ink		Magnavis 7HF		240406			
Fluorescent Ink		--		--			
Cleaner		Spotcheck SKC-S		240401			

PICTURE/SKETCH:

Item	SI. No.	Location	Indication Type	Size in MM	Result	Remark
Master Bushing	PN# 16555A	Full Body	Nil	Nil	Accepted	Accepted

Examined and Evaluated By: (Level- I / II) Signature : Name : Aneesh Date : 20-05-2025			Witnessed / Reviewed By: (Level- II) Signature : Name : Hasan munammed Date : 20-05-2025	
---	--	--	---	--

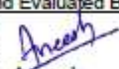
		Specialist Oilfield Services K.S.C			
MAGNETIC PARTICLE EXAMINATION (MT) REPORT					SOS / QA / 06

Contract/Job No.: JO-25-387		Report No.: JO-25-387-3-02	Date: 20-05-2025			
Customer: IR&E		Part: As denoted below				
Item/Component: IDECO LR-37.5 Rotary Table- Parts Assy SN# 122		Thickness: --				
Material: Ferro-magnetic material		Surface Temperature: 35°C				
Procedure No & Rev.: PRO/NDE/04, issue 4 Rev 8		MT Equipment: ☒ YOKE ☐ COIL				
Acceptance Standard: AWS D1.1		Model #: --	Make: Magnafield			
Consumable Manufacturer: Magnaflux		Lifting Capacity & Current Type: 4.54 Kg & AC				
Technique / Method: ☒ Wet Non-Fluorescent ☐ Wet Fluorescent		Pole Separation (3"-8"): 100 mm				
Surface Enhancement Contrast: ☒ 2 thin coats ☐ N/A		Light Equipment: ☒ lamp ☐ UV Lamp				
		Light level: >1076 Lux				
		Dark Room Intensity: N/A				
EQUIPMENT DETAILS		Drawing No.: --				
MPI Yoke	SOS/YK/04	Cal Due Date	18-10-2025			
Light Equipment	SOS/DLM/002	Cal Due Date	14-07-2025			
		Demagnetization:	Yes			
		Magnetic Flux Indicator:	Pie gauge (SOS/PIG/01)			
EXAMINED PRODUCT / SURFACE CONDITION:						
☐ As Received ☐ Grounded ☐ Wire Brushing ☒ 100% ☐ Specific Location (Detail) -- ☐ Machined ☐ As Welded ☐ Other ☒ All Accessible area ☐ After PWHT ☒ Grit Blasted ☐ Weld Joint (s)						
EXAMINATION STAGE:		NON-EXAMINED AREA:				
☐ Initial ☐ Intermediate ☒ Final		--				
CONSUMABLES DETAILS:		Magnetizing Direction:				
Type	Batch Number	Two directions (right angles to each other).				
White Contrast	Magnavis WCP-2	Performed in two directions				
Black Ink	Magnavis 7HF					
Fluorescent Ink	--					
Cleaner	Spotcheck SKC-S					
PICTURE/SKETCH:						
Item	Sl. No.	Location	Indication Type	Size in MM	Result	Remark
Bearing Support Ring	PN# 308-128	Full Body	Nil	Nil	Accepted	Accepted
Examined and Evaluated By: (Level- I / II) Signature : <i>Anesh</i> Name : Anesh Date : 20-05-2025				Witnessed / Reviewed By: (Level- II) Signature : <i>Hasan</i> Name : Hasan munammed Date : 20-05-2025		

SOS		Specialist Oilfield Services K.S.C				
MAGNETIC PARTICLE EXAMINATION (MT) REPORT					SOS / QA / 06	
Contract/Job No.:	JO-25-387		Report No.:	JO-25-387-3-04	Date:	20-05-2025
Customer:	IR&E		Part:	As denoted below		
Item/Component:	IDECO LR-37.5 Rotary Table- Parts Assy SN# 122		Thickness:	--		
Material:	Ferro-magnetic material		Surface Temperature:	35°C		
Procedure No & Rev.:	PROVDE/04, issue 4 Rev 8		MT Equipment:	☒ YOKE ☐ COIL		
Acceptance Standard:	AWS D1.1		Model #:	--	Make:	Magnafield
Consumable Manufacturer:	Magnaflux		Lifting Capacity & Current Type:		4.54 Kg & AC	
Technique / Method	☒ Wet Non-Fluorescent ☐ Wet Fluorescent		Pole Separation (3"-8"):	100 mm		
Surface Enhancement Contrast:	☒ 2 thin coats ☐ N/A		Light Equipment:	☒ Lamp ☐ UV Lamp		
EQUIPMENT DETAILS	Equipment ID	Cal Due Date	Drawing No.:	--		
MPI Yoke	SOS/YK/04	18-10-2025	Demagnetization:	Yes		
Light Equipment	SOS/DLM/002	14-07-2025	Magnetic Flux Indicator:	Pie gauge (SOS/PIG/01)		
EXAMINED PRODUCT / SURFACE CONDITION:			COVERAGE / AREA EXAMINED:			
☐ As Received	☐ Grounded	☐ Wire Brushing	☒ 100%	☐ Specific Location (Detail) --		
☐ Machined	☐ As Welded	☐ Other	☒ All Accessible area			
☐ After PWHT	☒ Grit Blasted		☐ Weld Joint (s)			
EXAMINATION STAGE:	☐ Initial ☐ Intermediate ☒ Final		NON-EXAMINED AREA: --			
CONSUMABLES DETAILS:	Type	Batch Number	Magnetizing Direction:			
White Contrast	Magnavis WCP-2	240202	Two directions (right angles to each other).			
Black Ink	Magnavis 7HF	240408	Performed in two directions			
Fluorescent Ink	--	--				
Cleaner	Spotcheck SKC-S	240401				
PICTURE/SKETCH:						
						
Item	Sl. No.	Location	Indication Type	Size in MM	Result	Remark
Hold down Ring	PN# 308-130	Full Body	Nil	Nil	Accepted	Accepted
Examined and Evaluated By: (Level- I / II) Signature : <i>Aneesah</i> Name : Aneesah Date : 20-05-2025				Witnessed / Reviewed By: (Level- II) Signature : <i>Hasan Muhammad</i> Name : Hasan Muhammad Date : 20-05-2025		

		Specialist Oilfield Services K.S.C				
MAGNETIC PARTICLE EXAMINATION (MT) REPORT						SOS / QA / 06
Contract/Job No.:	JO-25-387		Report No.:	JO-25-387-3-05	Date:	20-05-2025
Customer:	IR&E		Part:	As denoted below		
Item/Component:	IDECO LR-37.5 Rotary Table- Parts Assy SN# 122		Thickness:	--		
Material:	Ferro-magnetic material		Surface Temperature:	35°C		
Procedure No & Rev.:	PRO/NDE/04, issue 4 Rev 8		MT Equipment:	☒ YOKE ☐ COIL		
Acceptance Standard:	AWS D1.1		Model #:	--	Make:	Magnafield
Consumable Manufacturer:	Magnaflux		Lifting Capacity & Current Type:	4.54 Kg & AC		
Technique / Method	☒ Wet Non-Fluorescent ☐ Wet Fluorescent		Pole Separation (3"-8"):	100 mm		
Surface Enhancement Contrast:	☒ 2 thin coats ☐ N/A		Light Equipment:	☒ lamp ☐ UV Lamp		
EQUIPMENT DETAILS	Equipment ID	Cal Due Date	Drawing No.:	--		
MPI Yoke	SOS/YK/04	18-10-2025	Demagnetization:	Yes		
Light Equipment	SOS/DLM/002	14-07-2025	Magnetic Flux Indicator:	Pie gauge (SOS/PiG/01)		
EXAMINED PRODUCT / SURFACE CONDITION:			COVERAGE / AREA EXAMINED:			
☐ As Received	☐ Grounded	☐ Wire Brushing	☒ 100%	☐ Specific Location (Detail) --		
☐ Machined	☐ As Welded	☐ Other	☒ All Accessible area			
☐ After PWHT	☒ Grit Blasted		☐ Weld Joint (s)			
EXAMINATION STAGE:	☐ Initial ☐ Intermediate ☒ Final		NON-EXAMINED AREA: --			
CONSUMABLES DETAILS:	Type	Batch Number	Magnetizing Direction:			
White Contrast	Magnavis WCP-2	240202	Two directions (right angles to each other).			
Black Ink	Magnavis 7HF	240408	Performed in two directions			
Fluorescent Ink	--	--				
Cleaner	Spotcheck SKC-S	240401				
PICTURE/SKETCH:						
						
Item	Sl. No.	Location	Indication Type	Size in MM	Result	Remark
Mud Ring	PN# 308-127	Full Body	Nil	Nil	Accepted	Accepted
Examined and Evaluated By: (Level- I / II) Signature :  Name : Anesh Date : 20-05-2025						
Witnessed / Reviewed By: (Level- II) Signature :  Name : Hasan Mumammed Date : 20-05-2025						

		Specialist Oilfield Services K.S.C			
MAGNETIC PARTICLE EXAMINATION (MT) REPORT					SOS / QA / 06

Contract/Job No.: JO-25-387		Report No.: JO-25-387-3-06	Date: 20-05-2025				
Customer: IR&E		Part: As denoted below					
Item/Component: IDECO LR-37.5 Rotary Table- Parts Assy SN# 122		Thickness: --					
Material: Ferro-magnetic material		Surface Temperature: 35°C					
Procedure No & Rev.: PRO/NDE/04, issue 4 Rev 8		MT Equipment: ☒ YOKE ☐ COIL					
Acceptance Standard: AWS D1.1		Model #: --	Make: Magnafield				
Consumable Manufacturer: Magnaflux		Lifting Capacity & Current Type:		4.54 Kg & AC			
Technique / Method ☒ Wet Non-Fluorescent ☐ Wet Fluorescent		Pole Separation (3"-8"): 100 mm					
		Light Equipment: ☒ lamp ☐ UV Lamp					
Surface Enhancement Contrast: ☒ 2 thin coats ☐ N/A		Light level: >1076 Lux					
		Dark Room Intensity: N/A					
EQUIPMENT DETAILS		Equipment ID	Cal Due Date	Drawing No.: --			
MPI Yoke		SOS/YK/04	18-10-2025	Demagnetization: Yes			
Light Equipment		SOS/DLM/002	14-07-2025	Magnetic Flux Indicator: Pie gauge (SOS/PiG/01)			
EXAMINED PRODUCT / SURFACE CONDITION:							
☐ As Received	☐ Grounded	☐ Wire Brushing	COVERAGE / AREA EXAMINED: ☒ 100% ☐ Specific Location (Detail) -- ☒ All Accessible area ☐ Weld Joint (s)				
☐ Machined	☐ As Welded	☐ Other					
☐ After PWHT	☒ Grit Blasted						
EXAMINATION STAGE:		NON-EXAMINED AREA:					
		☐ Initial ☐ Intermediate ☒ Final					
CONSUMABLES DETAILS:		Type	Batch Number	Magnetizing Direction: Two directions (right angles to each other). Performed in two directions			
White Contrast		Magnavis WCP-2	240202				
Black Ink		Magnavis 7HF	240406				
Fluorescent Ink		--	--				
Cleaner		Spotcheck SKC-S	240401				
PICTURE/SKETCH:							
							
Item	Sl. No.	Location	Indication Type	Size in MM	Result	Remark	
Bearing Retainer	PN# 308-100	Full Body	Nil	Nil	Accepted	Accepted	
Examined and Evaluated By: (Level- I / II) Signature :  Name : Anesh Date : 20-05-2025						Witnessed / Reviewed By: (Level- II) Signature :  Name : Hasan munammed Date : 20-05-2025	

SOS		Specialist Oilfield Services K.S.C				
MAGNETIC PARTICLE EXAMINATION (MT) REPORT					SOS / QA / 06	
Contract/Job No.:	JO-25-387		Report No.:	JO-25-387-3-07	Date: 20-05-2025	
Customer:	IR&E		Part:	As denoted below		
Item/Component:	IDECO LR-37.5 Rotary Table- Parts Assy SN# 122		Thickness:	--		
Material:	Ferro-magnetic material		Surface Temperature:	35°C		
Procedure No & Rev.:	PRO/NDE/04, issue 4 Rev 8		MT Equipment:	☒ YOKE ☐ COIL		
Acceptance Standard:	AWS D1.1		Model #:	--	Make: Magnaflux	
Consumable Manufacturer:	Magnaflux		Lifting Capacity & Current Type:	4.54 Kg & AC		
Technique / Method	☒ Wet Non-Fluorescent ☐ Wet Fluorescent		Pole Separation (3"-8"):	100 mm		
Surface Enhancement Contrast:	☒ 2 thin coats ☐ N/A		Light Equipment:	☒ Lamp ☐ UV Lamp		
EQUIPMENT DETAILS	Equipment ID	Cal Due Date	Drawing No.:	--		
MPI Yoke	SOS/YK/04	18-10-2025	Demagnetization:	Yes		
Light Equipment	SOS/DLM/002	14-07-2025	Magnetic Flux Indicator:	Pie gauge (SOS/PIG/01)		
EXAMINED PRODUCT / SURFACE CONDITION:			COVERAGE / AREA EXAMINED:			
☐ As Received	☐ Grounded	☐ Wire Brushing	☒ 100%	☐ Specific Location (Detail) -		
☐ Machined	☐ As Welded	☐ Other	☒ All Accessible area			
☐ After PWHT	☒ Grit Blasted		☐ Weld Joint (s)			
EXAMINATION STAGE:	☐ Initial ☐ Intermediate ☒ Final		NON-EXAMINED AREA: --			
CONSUMABLES DETAILS:	Type	Batch Number	Magnetizing Direction: Two directions (right angles to each other). Performed in two directions			
White Contrast	Magnavis WCP-2	240202				
Black Ink	Magnavis 7HF	240406				
Fluorescent Ink	--	--				
Cleaner	Spotcheck SKC-S	240401				
PICTURE/SKETCH:						
						
Item	Sl. No.	Location	Indication Type	Size in MM	Result	Remark
Lock	PN# 308-104	Full Body	Nil	Nil	Accepted	Accepted
Lock Lever & pin	PN# 389-59 , PN# 340-25B	Full Body	Nil	Nil	Accepted	Accepted
Examined and Evaluated By: (Level- I / II) Signature : <i>Aneesh</i> Name : Aneesh Date : 20-05-2025				Witnessed / Reviewed By: (Level- II) Signature : <i>Hasan</i> Name : Hasan munammed Date : 20-05-2025		

	Specialist Oilfield Services K.S.C					
MAGNETIC PARTICLE EXAMINATION (MT) REPORT					SOS / QA / 06	

Contract/Job No.:	JO-25-387	Report No.:	JO-25-387-3-09	Date:	20-05-2025	
Customer:	IR&E	Part:	As denoted below			
Item/Component:	IDECO LR-37.5 Rotary Table- Parts Assy SN# 122	Thickness:	-			
Material:	Ferro-magnetic material	Surface Temperature:	35°C			
Procedure No & Rev.:	PROINDE/04, issue 4 Rev 8	MT Equipment:	☒ YOKE ☐ COIL			
Acceptance Standard:	AWS D1.1	Model #:	-	Make:	Magnafield	
Consumable Manufacturer:	Magnaflux	Lifting Capacity & Current Type:	4.54 Kg & AC			
Technique / Method	☒ Wet Non-Fluorescent ☐ Wet Fluorescent	Pole Separation (3"-8"):	100 mm			
Surface Enhancement Contrast:	☒ 2 thin coats ☐ N/A	Light Equipment:	☒ Lamp ☐ UV Lamp			
EQUIPMENT DETAILS	Equipment ID	Cal Due Date	Drawing No.:	-		
MPI Yoke	SOS/YK/04	18-10-2025	Demagnetization:	Yes		
Light Equipment	SOS/DLM/002	14-07-2025	Magnetic Flux Indicator:	Pie gauge (SOS/PIG/01)		

EXAMINED PRODUCT / SURFACE CONDITION:			COVERAGE / AREA EXAMINED:		
☐ As Received	☐ Grounded	☐ Wire Brushing	☒ 100%	☐ Specific Location (Detail) -	
☐ Machined	☐ As Welded	☐ Other	☒ All Accessible area		
☐ After PWHT	☒ Grit Blasted		☐ Weld Joint (s)		

EXAMINATION STAGE:	☐ Initial ☐ Intermediate ☒ Final	NON-EXAMINED AREA: -
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CONSUMABLES DETAILS:	Type	Batch Number	Magnetizing Direction:
White Contrast	Magnavis WCP-2	240202	Two directions (right angles to each other). Performed in two directions
Black Ink	Magnavis 7HF	240408	
Fluorescent Ink	-	-	
Cleaner	Spotcheck SKC-S	240401	

PICTURE/SKETCH:



Item	Sl. No.	Location	Indication Type	Size in MM	Result	Remark
Capsule	PN# 308-121	Full Body	Nil	Nil	Accepted	Accepted

Examined and Evaluated By: (Level- I / II) Signature :  Name : Aneesh Date : 20-05-2025		Witnessed / Reviewed By: (Level- II) Signature :  Name : Hasan munam Date : 20-05-2025
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		Specialist Oilfield Services K.S.C				
MAGNETIC PARTICLE EXAMINATION (MT) REPORT					SOS / QA / 06	
Contract/Job No.:	JO-25-387		Report No.:	JO-25-387-3-10	Date: 20-05-2025	
Customer:	IR&E		Part:	As denoted below		
Item/Component:	IDECO LR-37.5 Rotary Table- Parts Assy SN# 122		Thickness:	—		
Material:	Ferro-magnetic material		Surface Temperature:	35°C		
Procedure No & Rev.:	PRO/NDE/04, issue 4 Rev 8		MT Equipment:	☒ YOKE ☐ COIL		
Acceptance Standard:	AWS D1.1		Model #:	—	Make: Magnafield	
Consumable Manufacturer:	Magnaflux		Lifting Capacity & Current Type:	4.54 Kg & AC		
Technique / Method	☒ Wet Non-Fluorescent ☐ Wet Fluorescent		Pole Separation (3"-8"):	100 mm		
Surface Enhancement Contrast:	☒ 2 thin coats ☐ N/A		Light Equipment:	☒ lamp ☐ UV Lamp		
EQUIPMENT DETAILS	Equipment ID	Cal Due Date	Drawing No.:	—		
MPI Yoke	SOS/YK/04	18-10-2025	Demagnetization:	Yes		
Light Equipment	SOS/DLM/002	14-07-2025	Magnetic Flux Indicator:	Pie gauge (SOS/PIG/01)		
EXAMINED PRODUCT / SURFACE CONDITION:			COVERAGE / AREA EXAMINED:			
☐ As Received	☐ Grounded	☐ Wire Brushing	☒ 100%	☐ Specific Location (Detail) —		
☐ Machined	☐ As Welded	☐ Other	☒ All Accessible area			
☐ After PWHT	☒ Grit Blasted		☐ Weld Joint (s)			
EXAMINATION STAGE:		☐ Initial ☐ Intermediate ☒ Final	NON-EXAMINED AREA: —			
CONSUMABLES DETAILS:	Type	Batch Number	Magnetizing Direction:			
White Contrast	Magnavis WCP-2	240202	Two directions (right angles to each other).			
Black Ink	Magnavis 7HF	240406	Performed in two directions			
Fluorescent Ink	—	—				
Cleaner	Spotcheck SKC-S	240401				
PICTURE/SKETCH:						
						
Item	Sl. No.	Location	Indication Type	Size in MM	Result	Remark
Top Plate	P/N : 308-138	Full Body	Nil	Nil	Accepted	Accepted
Examined and Evaluated By: (Level- I / II) Signature :  Name : Anesh Date : 20-05-2025						Witnessed / Reviewed By: (Level- II) Signature :  Name : Hasan munammed Date : 20-05-2025

		Specialist Oilfield Services K.S.C			
MAGNETIC PARTICLE EXAMINATION (MT) REPORT					SOS / QA / 06

Contract/Job No.: JO-25-387		Report No.: JO-25-387-3-11		Date: 20-05-2025		
Customer: IR&E		Part: As denoted below				
Item/Component: IDECO LR-37.5 Rotary Table- Parts Assy SN# 122		Thickness:		--		
Material: Ferro-magnetic material		Surface Temperature:		35°C		
Procedure No & Rev.: PRO/NDE/04, issue 4 Rev 8		MT Equipment:		☒ YOKE ☐ COIL		
Acceptance Standard: AWS D1.1		Model #:		--		
Consumable Manufacturer: Magnaflux		Lifting Capacity & Current Type:		4.54 Kg & AC		
Technique / Method		Pole Separation (3"-8"):		100 mm		
☒ Wet Non-Fluorescent ☐ Wet Fluorescent		Light Equipment:		☒ lamp ☐ UV Lamp		
Surface Enhancement Contrast:		Light level:		>1076 Lux		
☒ 2 thin coats ☐ N/A		Dark Room Intensity:		N/A		
EQUIPMENT DETAILS		Drawing No.:		--		
MPI Yoke		Demagnetization:		Yes		
Light Equipment		Magnetic Flux Indicator:		Pie gauge (SOS/PiG/01)		
EXAMINED PRODUCT / SURFACE CONDITION:						
☐ As Received		☐ Grounded		☐ Wire Brushing		
☐ Machined		☐ As Welded		☐ Other		
☐ After PWHT		☒ Grit Blasted				
EXAMINATION STAGE:		☐ Initial ☐ Intermediate ☒ Final		COVERAGE / AREA EXAMINED:		
				☒ 100% ☐ Specific Location (Detail) -		
				☒ All Accessible area		
				☐ Weld Joint (s)		
NON-EXAMINED AREA:						
--						
CONSUMABLES DETAILS:		Type		Batch Number		
White Contrast		Magnavis WCP-2		240202		
Black Ink		Magnavis 7HF		240406		
Fluorescent Ink		--		--		
Cleaner		Spotcheck SKC-S		240401		
Magnetizing Direction: Two directions (right angles to each other). Performed in two directions						
PICTURE/SKETCH:						
Item	SI. No.	Location	Indication Type	Size in MM	Result	Remark
Middle Riser	PN# 308-96-02	Full Body	Nil	Nil	Accepted	Accepted
Upper Riser	PN# 308-96-01	Full Body	Nil	Nil	Accepted	Accepted
Lower Riser	PN# 308-96-05	Full Body	Nil	Nil	Accepted	Accepted
Examined and Evaluated By: (Level- I / II) Signature : Name : Anesh Date : 20-05-2025				Witnessed / Reviewed By: (Level- II) Signature : Name : Hasan munammed Date : 20-05-2025		

SOS	Specialist Oilfield Services K.S.C
MAGNETIC PARTICLE EXAMINATION (MT) REPORT	SOS / QA / 06

Contract/Job No.:	JO-25-387	Report No.:	JO-25-387-3-12	Date:	20-05-2025	
Customer:	IR&E	Part:	As denoted below			
Item/Component:	IDECO LR-37.5 Rotary Table- Parts Assy SN# 122		Thickness:	--		
Material:	Ferro-magnetic material		Surface Temperature:	35°C		
Procedure No & Rev.:	PRO/NDE/04, issue 4 Rev 8		MT Equipment:	☒ YOKE ☐ COIL		
Acceptance Standard:	AWS D1.1		Model #:	--	Make: Magnafield	
Consumable Manufacturer:	Magnaflux		Lifting Capacity & Current Type:	4.54 Kg & AC		
Technique / Method	☒ Wet Non-Fluorescent ☐ Wet Fluorescent		Pole Separation (3"-8"):	100 mm		
Surface Enhancement Contrast:	☒ 2 thin coats ☐ N/A		Light Equipment:	☒ lamp ☐ UV Lamp		
EQUIPMENT DETAILS	Equipment ID	Cal Due Date	Drawing No.:	--		
MPI Yoke	SOS/YK/04	18-10-2025	Demagnetization:	Yes		
Light Equipment	SOS/DLM/002	14-07-2025	Magnetic Flux Indicator:	Pie gauge (SOS/PiG/01)		
EXAMINED PRODUCT / SURFACE CONDITION:			COVERAGE / AREA EXAMINED:			
☐ As Received	☐ Grounded	☐ Wire Brushing	☒ 100%	☐ Specific Location (Detail) --		
☐ Machined	☐ As Welded	☐ Other	☒ All Accessible area			
☐ After PWHT	☒ Grit Blasted		☐ Weld Joint (s)			
EXAMINATION STAGE:	☐ Initial ☐ Intermediate ☒ Final		NON-EXAMINED AREA: --			
CONSUMABLES DETAILS:	Type	Batch Number	Magnetizing Direction: Two directions (right angles to each other). Performed in two directions			
White Contrast	Magnavis WCP-2	240202				
Black Ink	Magnavis 7HF	240408				
Fluorescent Ink	--	--				
Cleaner	Spotcheck SKC-S	240401				
PICTURE/SKETCH:						
						
Item	Sl. No.	Location	Indication Type	Size in MM	Result	Remark
Latch	PN# 1038-43B	Full Body	Nil	Nil	Accepted	Accepted
Washer & pin	PN# 1038-43D	Full Body	Nil	Nil	Accepted	Accepted
Examined and Evaluated By: (Level- I / II) Signature :  Name : Anesh Date : 20-05-2025			Witnessed / Reviewed By: (Level- II) Signature :  Name : Hasan munammed Date : 20-05-2025			



SOS		Specialist Oilfield Services K.S.C					
MAGNETIC PARTICLE EXAMINATION (MT) REPORT						SOS / QA / 06	
Contract/Job No.:	JO-25-387		Report No.:	JO-25-387-3-13		Date:	20-05-2025
Customer:	IR&E		Part:	As denoted below			
Item/Component:	IDECO LR-37.5 Rotary Table- Parts Assy SN# 122		Thickness:	--			
Material:	Ferro-magnetic material		Surface Temperature:	35°C			
Procedure No & Rev.:	PRO/NDE/04, issue 4 Rev 8		MT Equipment:	☒ YOKE ☐ COIL			
Acceptance Standard:	AWS D1.1		Model #:	--	Make:	Magnafield	
Consumable Manufacturer:	Magnaflux		Lifting Capacity & Current Type:	4.54 Kg & AC			
Technique / Method	☒ Wet Non-Fluorescent ☐ Wet Fluorescent		Pole Separation (3"-8"):	100 mm			
Surface Enhancement Contrast:	☒ 2 thin coats ☐ N/A		Light Equipment:	☒ Lamp ☐ UV Lamp			
			Light level:	>1076 Lux			
			Dark Room Intensity:	N/A			
EQUIPMENT DETAILS	Equipment ID	Cal Due Date	Drawing No.:	--			
MPI Yoke	SOS/YK/04	18-10-2025	Demagnetization:	Yes			
Light Equipment	SOS/DLM/002	14-07-2025	Magnetic Flux Indicator:	Pie gauge (SOS/PIG/01)			
EXAMINED PRODUCT / SURFACE CONDITION:			COVERAGE / AREA EXAMINED:				
☐ As Received	☐ Grounded	☐ Wire Brushing	☒ 100%	☐ Specific Location (Detail) -			
☐ Machined	☐ As Welded	☐ Other	☒ All Accessible area				
☐ After PWHT	☒ Grit Blasted		☐ Weld Joint (s)				
EXAMINATION STAGE:	☐ Initial ☐ Intermediate ☒ Final		NON-EXAMINED AREA: --				
CONSUMABLES DETAILS:	Type	Batch Number	Magnetizing Direction: Two directions (right angles to each other). Performed in two directions				
White Contrast	Magnavis WCP-2	240202					
Black Ink	Magnavis 7HF	240406					
Fluorescent Ink	--	--					
Cleaner	Spotcheck SKC-S	240401					
PICTURE/SKETCH:							
							
Item	Sl. No.	Location	Indication Type	Size in MM	Result	Remark	
Lock	PN# 10308-43A	Full Body	Nil	Nil	Accepted	Accepted	
Examined and Evaluated By: (Level- I / II) Signature : <i>Aneshh</i> Name : Aneshh Date : 20-05-2025			Witnessed / Reviewed By: (Level- II) Signature : <i>Hasan munamdeo</i> Name : Hasan munamdeo Date : 20-05-2025				



		Specialist Oilfield Services K.S.C			
MAGNETIC PARTICLE EXAMINATION (MT) REPORT					SOS / QA / 06

Contract/Job No.:	JO-25-387	Report No.:	JO-25-387-3-14	Date:	20-05-2025	
Customer:	IR&E	Part:	Full body			
Item/Component:	IDECO LR-37.5 Rotary Table- Parts Assy SN# 122	Thickness:	--			
Material:	Ferro-magnetic material	Surface Temperature:	35°C			
Procedure No & Rev.:	PRO/NDE/04, issue 4 Rev 8	MT Equipment:	☒ YOKE ☐ COIL			
Acceptance Standard:	AWS D1.1	Model #:	--	Make	Magnaflux	
Consumable Manufacturer:	Magnaflux	Lifting Capacity & Current Type:	4.54 Kg & AC			
Technique / Method	☐ Wet Non-Fluorescent ☒ Wet Fluorescent	Pole Separation (3"-8"):	100 mm			
Surface Enhancement Contrast:	☐ 2 thin coats ☒ N/A	Light Equipment:	☐ lamp ☒ UV Lamp			
EQUIPMENT DETAILS	Equipment ID	Cal Due Date	Drawing No.:	--		
MPI Yoke	SOS/YK/04	18-10-2025	Demagnetization:	Yes		
Light Equipment	SOS/DLM/002	14-07-2025	Magnetic Flux Indicator:	Pie gauge (SOS/PIG/01)		
EXAMINED PRODUCT / SURFACE CONDITION:						
☐ As Received	☐ Grounded	☐ Wire Brushing	☒ 100%	☐ Specific Location (Detail) --		
☐ Machined	☐ As Welded	☐ Other	☒ All Accessible area			
☐ After PWHT	☒ Grit Blasted		☐ Weld Joint (s)			
EXAMINATION STAGE:	☐ Initial ☐ Intermediate ☒ Final		NON-EXAMINED AREA: --			
CONSUMABLES DETAILS:	Type	Batch Number	Magnetizing Direction: Two directions (right angles to each other). Performed in two directions			
White Contrast	--	--				
Black Ink	--	--				
Fluorescent Ink	Magnaglo 14HF	230503				
Cleaner	Spotcheck SKC-S	221104				
PICTURE/SKETCH:						
Item	Sl. No.	Location	Indication Type	Size in MM	Result	Remark
Pinion Gear	PN# 305-95-02	Full body	Nil	Nil	Accepted	Accepted
Examined and Evaluated By: (Level- I / II)				Witnessed / Reviewed By:		
Signature :				Signature :		
Name : Aneesh				Name : Hasan Muhammed		
Date : 20-05-2025				Date : 20-05-2025		

		Specialist Oilfield Services K.S.C			
MAGNETIC PARTICLE EXAMINATION (MT) REPORT					SOS / QA / 06

Contract/Job No.:	JO-25-387	Report No.:	JO-25-387-3-15	Date:	20-05-2025	
Customer:	IR&E	Part:	Full body			
Item/Component:	IDECO LR-37.5 Rotary Table- Parts Assy SN# 122	Thickness:	--			
Material:	Ferro-magnetic material	Surface Temperature:	35°C			
Procedure No & Rev.:	PRO/NDE/04, issue 4 Rev 8	MT Equipment:	☒ YOKE ☐ COIL			
Acceptance Standard:	AWS D1.1	Model #:	--	Make	Magnafield	
Consumable Manufacturer:	Magnaflux	Lifting Capacity & Current Type:	4.54 Kg & AC			
Technique / Method	☐ Wet Non-Fluorescent		Pole Separation (3"-8"):	100 mm		
	☒ Wet Fluorescent		Light Equipment:	☐ lamp ☒ UV Lamp		
Surface Enhancement Contrast:	☐ 2 thin coats ☒ N/A		Light level:	>1176 µW/cm2		
EQUIPMENT DETAILS	Equipment ID	Cal Due Date	Drawing No.:	--		
	MPI Yoke	SOS/YK/04	18-10-2025	Demagnetization:	Yes	
Light Equipment	SOS/DLM/002	14-07-2025	Magnetic Flux Indicator:	Pie gauge (SOS/PIG/01)		
EXAMINED PRODUCT / SURFACE CONDITION:			COVERAGE / AREA EXAMINED:			
☐ As Received	☐ Grounded	☐ Wire Brushing	☒ 100%	☐ Specific Location (Detail) -		
☐ Machined	☐ As Welded	☐ Other	☒ All Accessible area			
☐ After PWHT	☒ Grit Blasted		☐ Weld Joint (s)			
EXAMINATION STAGE:	☐ Initial		NON-EXAMINED AREA: --			
	☐ Intermediate					
	☒ Final					
CONSUMABLES DETAILS:	Type	Batch Number	Magnetizing Direction: Two directions (right angles to each other). Performed in two directions			
White Contrast	--	--				
Black Ink	--	--				
Fluorescent Ink	Magnaglo 14HF	230503				
Cleaner	Spotcheck SKC-S	221104				
PICTURE/SKETCH:						
Item	SI. No.	Location	Indication Type	Size in MM	Result	Remark
Sprocket Hub	PN# 308-137	Full body	Nil	Nil	Accepted	Accepted
Examined and Evaluated By: (Level- I / II)				Witnessed / Reviewed By: (Level- II)		
Signature : <i>Aneesh</i>				Signature : <i>Hasan Muhammed</i>		
Name : Aneesh				Name : Hasan Muhammed		
Date : 20-05-2025				Date : 20-05-2025		

		Specialist Oilfield Services K.S.C			
MAGNETIC PARTICLE EXAMINATION (MT) REPORT					SOS / QA / 06

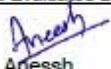
Contract/Job No.:	JO-25-387	Report No.:	JO-25-387-3-16	Date:	20-05-2025	
Customer:	IR&E	Part:	Full body			
Item/Component:	IDECO LR-37.5 Rotary Table- Parts Assy SN# 122	Thickness:	--			
Material:	Ferro-magnetic material	Surface Temperature:	35°C			
Procedure No & Rev.:	PRO/NDE/04, issue 4 Rev 8	MT Equipment:	☒ YOKE ☐ COIL			
Acceptance Standard:	AWS D1.1	Model #:	--	Make	Magnafield	
Consumable Manufacturer:	Magnaflux	Lifting Capacity & Current Type:	4.54 Kg & AC			
Technique / Method	☐ Wet Non-Fluorescent ☒ Wet Fluorescent	Pole Separation (3"-8"):	100 mm			
Surface Enhancement Contrast:	☐ 2 thin coats ☒ N/A	Light Equipment:	☐ lamp ☒ UV Lamp			
EQUIPMENT DETAILS	Equipment ID	Cal Due Date	Drawing No.:	--		
MPI Yoke	SOS/YK/04	18-10-2025	Demagnetization:	Yes		
Light Equipment	SOS/DLM/002	14-07-2025	Magnetic Flux Indicator:	Pie gauge (SOS/PIG/01)		
EXAMINED PRODUCT / SURFACE CONDITION:			COVERAGE / AREA EXAMINED:			
☐ As Received ☐ Grounded ☐ Wire Brushing ☐ Machined ☐ As Welded ☐ Other ☐ After PWHT ☒ Grit Blasted			☒ 100% ☒ All Accessible area ☐ Weld Joint (s)			
EXAMINATION STAGE:			NON-EXAMINED AREA:			
☐ Initial ☐ Intermediate ☒ Final			--			
CONSUMABLES DETAILS:		Type	Batch Number	Magnetizing Direction:		
White Contrast		--	--	Two directions (right angles to each other).		
Black Ink		--	--	Performed in two directions		
Fluorescent Ink		Magnaglo 14HF	230503			
Cleaner		Spotcheck SKC-S	221104			
PICTURE/SKETCH:						
Item	SI. No.	Location	Indication Type	Size in MM	Result	Remark
Sprocket	--	Full body	Nil	Nil	Accepted	Accepted
Examined and Evaluated By: (Level- I / II)			Witnessed / Reviewed By: (Level- II)			
Signature :			Signature :			
Name : Aneesh			Name : Hasan Muhammed			
Date : 20-05-2025			Date : 20-05-2025			

		Specialist Oilfield Services K.S.C			
MAGNETIC PARTICLE EXAMINATION (MT) REPORT					SOS / QA / 06

Contract/Job No.: JO-25-387		Report No.: JO-25-387-3-17		Date: 20-05-2025		
Customer: IR&E		Part:		Full body		
Item/Component: IDECO LR-37.5 Rotary Table- Parts Assy SN# 122		Thickness:		--		
Material: Ferro-magnetic material		Surface Temperature:		35°C		
Procedure No & Rev.: PRO/NDE/04, issue 4 Rev 8		MT Equipment:		☒ YOKE ☐ COIL		
Acceptance Standard: AWS D1.1		Model #:		-- Make Magnafield		
Consumable Manufacturer: Magnaflux		Lifting Capacity & Current Type:		4.54 Kg & AC		
Technique / Method ☐ Wet Non-Fluorescent ☒ Wet Fluorescent		Pole Separation (3"-8"):		100 mm		
		Light Equipment:		☐ lamp ☒ UV Lamp		
Surface Enhancement Contrast: ☐ 2 thin coats ☒ N/A		Light level:		>1176 µW/cm2		
		Dark Room Intensity:		<= 2fc		
EQUIPMENT DETAILS		Equipment ID		Cal Due Date		
MPI Yoke		SOS/YK/04		18-10-2025		
Light Equipment		SOS/DLM/002		14-07-2025		
Drawing No.:		--		Demagnetization: Yes		
Magnetic Flux Indicator:		Pie gauge (SOS/PIG/01)				
EXAMINED PRODUCT / SURFACE CONDITION:						
☐ As Received ☐ Grounded ☐ Wire Brushing ☒ 100% ☐ Specific Location (Detail) - ☐ Machined ☐ As Welded ☐ Other ☒ All Accessible area ☐ After PWHT ☒ Grit Blasted ☐ Weld Joint (s)						
EXAMINATION STAGE:		NON-EXAMINED AREA:				
		☐ Initial ☐ Intermediate ☒ Final				
CONSUMABLES DETAILS:		Type		Batch Number		
White Contrast		--		--		
Black Ink		--		--		
Fluorescent Ink		Magnaglo 14HF		230503		
Cleaner		Spotcheck SKC-S		221104		
Magnetizing Direction: Two directions (right angles to each other). Performed in two directions						
PICTURE/SKETCH: 						
Item	Sl. No.	Location	Indication Type	Size in MM	Result	Remark
Pinion shaft	PN# 308-139	Full body	Nil	Nil	Accepted	Accepted
Examined and Evaluated By: (Level- I / II) Signature : Name : Aneesh Date : 20-05-2025				Witnessed / Reviewed By: (Level- II) Signature : Name : Hasan Muhammed Date : 20-05-2025		

		Specialist Oilfield Services K.S.C					
MAGNETIC PARTICLE EXAMINATION (MT) REPORT						SOS / QA / 06	

Contract/Job No.:	JO-25-387	Report No.:	JO-25-387-3-18	Date:	20-05-2025		
Customer:	IR&E	Part:	Full body				
Item/Component:	IDECO LR-37.5 Rotary Table- Parts Assy SN# 122	Thickness:	--				
Material:	Ferro-magnetic material	Surface Temperature:	35°C				
Procedure No & Rev.:	PRO/NDE/04, issue 4 Rev 8	MT Equipment:	☒ YOKE ☐ COIL				
Acceptance Standard:	AWS D1.1	Model #:	--	Make	Magnaflux		
Consumable Manufacturer:	Magnaflux	Lifting Capacity & Current Type:	4.54 Kg & AC				
Technique / Method	☐ Wet Non-Fluorescent	Pole Separation (3"-8"):	100 mm				
	☒ Wet Fluorescent	Light Equipment:	☐ lamp ☒ UV Lamp				
Surface Enhancement Contrast:	☐ 2 thin coats ☒ N/A	Light level:	>1176 µW/cm2				
		Dark Room Intensity:	<= 2fc				
EQUIPMENT DETAILS	Equipment ID	Cal Due Date	Drawing No.:	--			
MPI Yoke	SOS/YK/04	18-10-2025	Demagnetization:	Yes			
Light Equipment	SOS/DLM/002	14-07-2025	Magnetic Flux Indicator:	Pie gauge (SOS/PIG/01)			
EXAMINED PRODUCT / SURFACE CONDITION:			COVERAGE / AREA EXAMINED:				
☐ As Received	☐ Grounded	☐ Wire Brushing	☒ 100%		☐ Specific Location (Detail) --		
☐ Machined	☐ As Welded	☐ Other	☒ All Accessible area				
☐ After PWHT	☒ Grit Blasted		☐ Weld Joint (s)				
EXAMINATION STAGE:	☐ Initial		NON-EXAMINED AREA:				
	☐ Intermediate						
	☒ Final						
CONSUMABLES DETAILS:	Type	Batch Number	Magnetizing Direction: Two directions (right angles to each other). Performed in two directions				
White Contrast	--	--					
Black Ink	--	--					
Fluorescent Ink	Magnaglo 14HF	230503					
Cleaner	Spotcheck SKC-S	221104					
PICTURE/SKETCH:							
Item	Sl. No.	Location	Indication Type	Size in MM	Result	Remark	
Oil Seal Race	PN# BMT-1001-895	Full body	Nil	Nil	Accepted	Accepted	
Pinion key	PN# SKK-070	Full body	Nil	Nil	Accepted	Accepted	
Master Bushing	--	Full body	Nil	Nil	Accepted	Accepted	
Examined and Evaluated By:				Witnessed / Reviewed By:			
(Level- I / II)				(Level- II)			
Signature :				Signature :			
Name : Aneesh				Name : Hasan Muhammed			
Date : 20-05-2025				Date : 20-05-2025			

		Specialist Oilfield Services K.S.C				
MAGNETIC PARTICLE EXAMINATION (MT) REPORT					SOS / QA / 06	
Contract/Job No.:	JO-25-387		Report No.:	JO-25-387-3-19	Date: 25-08-2025	
Customer:	IR&E		Part:	As denoted below		
Item/Component:	IDECO LR-37.5 Rotary Table- Parts Assy SN# 122		Thickness:	--		
Material:	Ferro-magnetic material		Surface Temperature:	35°C		
Procedure No & Rev.:	PRO/NDE/04, issue 4 Rev 8		MT Equipment:	☒ YOKE ☐ COIL		
Acceptance Standard:	AWS D1.1		Model #:	--	Make: Magnafield	
Consumable Manufacturer:	Magnaflux		Lifting Capacity & Current Type:	4.54 Kg & AC		
Technique / Method	☒ Wet Non-Fluorescent ☐ Wet Fluorescent		Pole Separation (3"-8"):	100 mm		
Surface Enhancement Contrast:	☒ 2 thin coats ☐ N/A		Light Equipment:	☒ lamp ☐ UV Lamp		
EQUIPMENT DETAILS	Equipment ID	Cal Due Date	Drawing No.:	--		
MPI Yoke	SOS/YK/04	18-10-2025	Demagnetization:	Yes		
Light Equipment	SOS/DLM/003	24-09-2025	Magnetic Flux Indicator:	Pie gauge (SOS/PIG/01)		
EXAMINED PRODUCT / SURFACE CONDITION:			COVERAGE / AREA EXAMINED:			
☐ As Received	☐ Grounded	☐ Wire Brushing	☒ 100%	☐ Specific Location (Detail) --		
☐ Machined	☐ As Welded	☐ Other	☒ All Accessible area			
☐ After PWHT	☒ Grit Blasted		☐ Weld Joint (s)			
EXAMINATION STAGE:		☐ Initial ☐ Intermediate ☒ Final	NON-EXAMINED AREA: --			
CONSUMABLES DETAILS:		Type	Batch Number	Magnetizing Direction: Two directions (right angles to each other). Performed in two directions		
White Contrast		Magnavis WCP-2	240202			
Black Ink		Magnavis 7HF	240406			
Fluorescent Ink		--	--			
Cleaner		Spotcheck SKC-S	240401			
PICTURE/SKETCH:						
						
Item	Sl. No.	Location	Indication Type	Size in MM	Result	Remark
Ring Gear	PN# 308-95-01	Full Body	Nil	Nil	Accepted	Accepted
Examined and Evaluated By: (Level- I / II) Signature :  Name : Arnessh Date : 25-08-2025				Witnessed / Reviewed By: (Level- II) Signature :  Name : Hasan munammedi Date : 25-08-2025		

		Specialist Oilfield Services K.S.C			
MAGNETIC PARTICLE EXAMINATION (MT) REPORT					SOS / QA / 06

Contract/Job No.:	JO-25-387	Report No.:	JO-25-387-3-20	Date:	25-08-2025
Customer:	IR&E	Part:	As denoted below		
Item/Component:	IDECO LR-37.5 Rotary Table- Parts Assy SN# 122	Thickness:	--		
Material:	Ferro-magnetic material	Surface Temperature:	35°C		
Procedure No & Rev.:	PRO/NDE/04, issue 4 Rev 8	MT Equipment:	☒ YOKE ☐ COIL		
Acceptance Standard:	AWS D1.1	Model #:	--	Make:	Magnaflux
Consumable Manufacturer:	Magnaflux	Lifting Capacity & Current Type:	4.54 Kg & AC		
Technique / Method	☒ Wet Non-Fluorescent ☐ Wet Fluorescent	Pole Separation (3"-8"):	100 mm		
Surface Enhancement Contrast:	☒ 2 thin coats ☐ N/A	Light level:	>1076 Lux		
EQUIPMENT DETAILS	Equipment ID	Cal Due Date	Drawing No.:	--	
MPI Yoke	SOS/YK/04	18-10-2025	Demagnetization:	Yes	
Light Equipment	SOS/DLM/003	24-09-2025	Magnetic Flux Indicator:	Pie gauge (SOS/PiG/01)	

EXAMINED PRODUCT / SURFACE CONDITION:			COVERAGE / AREA EXAMINED:		
☐ As Received	☐ Grounded	☐ Wire Brushing	☒ 100%	☐ Specific Location (Detail) --	
☐ Machined	☐ As Welded	☐ Other	☒ All Accessible area		
☐ After PWHT	☒ Grit Blasted		☐ Weld Joint (s)		
EXAMINATION STAGE:			NON-EXAMINED AREA:		
☐ Initial ☐ Intermediate ☒ Final			--		

CONSUMABLES DETAILS:	Type	Batch Number	Magnetizing Direction:
White Contrast	Magnavis WCP-2	240202	Two directions (right angles to each other). Performed in two directions
Black Ink	Magnavis 7HF	240406	
Fluorescent Ink	--	--	
Cleaner	Spotcheck SKC-S	240401	

PICTURE/SKETCH:

Item	SI. No.	Location	Indication Type	Size in MM	Result	Remark
Base	PN# 308-123	Full Body	NIL	NIL	Accepted	Accepted

Examined and Evaluated By: (Level- I / II) Signature : Name : Anesh Date : 25-08-2025		Witnessed / Reviewed By: (Level- II) Signature : Name : Hasan munammed Date : 25-08-2025
---	--	--

3 Equipment / Inspection Certification

شركة الصناعات الهندسية الثقيلة وبناء السفن ش.م.ك (عامة)
Heavy Engineering Industries & Shipbuilding Co. K.S.C (Public)



Testing & Calibration Laboratory

Calibration Certificate

Total Pages: Cal. Cert. 1 page + Cal. Results

CUSTOMER DETAILS:

Name : Specialist Oilfield Services K.S.C
Address : P.O.Box: 25495, Safat, 13115, Kuwait.

UNIT UNDER TEST (UUT) DETAILS:

Asset Number : E 55773 / SOS/DLM/003
Description : Lux Meter
Manufacturer : Lutron
Model : LX-100
Serial Number : AJ64764
Range : Up to 19990 lux
Resolution : Multi
Manufacturer Accuracy : $\pm 5\%$ of reading
Work Order : CL708/2025
Condition received : Good
Receipt Date : 25-Mar-2025

CALIBRATION INFORMATION:

Certificate No. : 3762/2025
Calibration Date : 25-Mar-2025
Next Recommended Due Date : 24-Sep-2025
Certificate Issue Date : 9-Apr-2025
Calibration Procedure : LCM-M-1008
Reference Document : Instrument Manual
Condition returned : Calibrated
Calibration Location : Calibration Laboratory-MAB
Calibration Condition : Temp. : $20 \pm 2^\circ\text{C}$
R.H. : $< 70\%$

STANDARDS USED :

Asset No.	Description	Due Date	Certificate No.
1031-334-009	UV Light / Photometer	11-Jun-2025	4596
1031-500-463	Digital Thermo-Hygrometer	24-Jun-2025	8579/2024

The instrument has been calibrated in accordance with the manufacture's instrument User's Handbook using standards that are traceable to the International System of units (SI). This calibration report documents the traceability to national standards, which realize the units of measurement according to the International System of Units (SI) through recognized National Metrology Institutes such as NIST, NPL&PTB and others. The user may be obliged to have the object recalibrated at appropriate intervals. This report applies only to the item identified and shall not be reproduced, except in full, unless written permission for an approved abstract is obtained from HEISCO calibration Laboratory. Calibration reports without authorizing signature(s) are not valid.

Authorized Signatory

Calibrated by

Gopukrishnan.K

Quality Checked by

B.Vijayarengan

Prajith Menon

DWI 300 AIL 2 Rev. 0 28 Dec 2023

P.O.Box : 21998, Safat 13080, Kuwait
Tel : + 965 23253030/ 23253067
Fax : + 965 23253285/ 23262142
calibration.laboratory@heisco.com
Commercial Reg. No : 20735

ISO 9001 : 2015
Certified by
Bureau Veritas

ISO/IEC 17025 by A2LA
Certificate # 3725.01
Certificate # 3725.02

ص.ب. ٢١٩٩٨، صفاة ١٣٠٨٠، دولة الكويت
هاتف، +٩٦٥ ٢٣٢٥٣٠٣٠ / +٩٦٥ ٢٣٢٥٣٠٦٧
فاكس، +٩٦٥ ٢٣٢٥٣٢٨٥ / +٩٦٥ ٢٣٢٦٢١٤٢
calibration.laboratory@heisco.com
سجل تجاري رقم، ٢٠٧٣٥

www.heisco.com

شركة الصناعات الهندسية الثقيلة وبناء السفن ش.م.ك (عامة)
Heavy Engineering Industries & Shipbuilding Co. K.S.C (Public)

Calibration Results

Asset Number : E 55773 / SOS/DLM/003

Status: As Found

Description : Lux Meter

Certificate No : 3762/2025

UUT		Ref.Standard	Results		
Tested Range	Readings	Measured Value	Deviation	% of Reading	Pass/Fail
Lux	Lux	Lux	Lux		
0 to 4952	0	0.00	0.00	0.00	Pass
	102.0	103.3	-1.3	-1.26	
	504	505.6	-1.6	-0.32	
	1009	1019	-10	-0.98	
	2010	2023	-13	-0.64	
	3010	3027	-17	-0.56	
	4020	4041	-21	-0.52	
	4920	4952	-32	-0.65	

Note -1 : Actual Value = UUT Value - Deviation

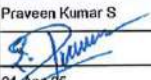
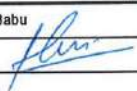
Note -2 : The decision rule used to determine the statement of conformity will be as simple acceptance - ILAC-G8.

Note -3 : No adjustment made hence As-found certificate issued.

----- END OF CALIBRATION CERTIFICATE -----



[Handwritten signature]

 SPECIALIST OIL FIELD SERVICES				
IN-HOUSE CALIBRATION CERTIFICATE				SOS / QA / 16
			CERT. NO.	YK/05/21042025
			CAL. DATE	21-Apr-2025
			CAL. DUE DATE	18-Oct-2025
Equipment I.D.:	SOS/YK/05	Customer Name:	SOS - Internal	
Manufacturer:	Magnaflux	Model No :	Y-2	
Type of Machine/ Equipment	MPI YOKE	Made/Make:	USA	
Drive / Range:	230 VAC / 50-60 Hz	Serial No./ Location :	E5012 / Gauge Room	
Resolution:	NA	Physical Condition:	Good	
Reference Procedure:	PRO/NDE/04 Issue 05	Revision Status:	0	
CALIBRATION DATA				
SL.NO	Pole spacing	Weight (Kg)	Enhancement Coating	Remarks
1	100/150mm	4.679	Applied Two Coatings	Accepted
Ambient Temperature: 22.1°C Relative Humidity: 31.8%				
MASTER EQUIPMENT TRACEABILITY				
Equipment I.D. No.	Description	Range	Calibration Due Date	Calibration Certificate No.
SOS/YCB/01	MPI Block	4.679 Kg	14-Jan-2026	850/2025
CAL/SOS/HM/002	Humidity Meter	-5°C - 50°C, 1 - 100% RH	4-Aug-2025	10761/2024
Calibrated By:		Certified by:		
Name:	Praveen Kumar S	Name:	Hareesh Babu	
Signature:		Signature:		
Date:	21-Apr-25	Date:	21-Apr-25	
Iss.No./Date: 02/01.06.2013 Rev.No/Rev.Date: 01/03.11.2020				



شركة الاختصاصيون لخدمات حقول النفط س.م.ك.
Specialist Oilfield Services K.S.C.

PO BOX – 25495, SAFAT 13115, KUWAIT
TEL: 23262962, FAX: 23262982 E Mail: sales@soskw.com

NDE Certification as per
American Society for Nondestructive Testing
Recommended Practice No.: SNT-TC-1A and SOS Written Practice

This is to certify that **Mr. Aneesh Samuel** from Specialist Oil Field Services has satisfactorily completed a training course and passed the examination as detailed below:

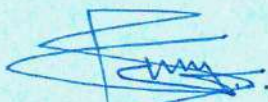
Qualification : ITI - Welding
Work experience : 9 years
Method : Visual Testing
Level : II (Direct Only)
Training Hours : 24 Hours
Certificate No. : SOS/VT/06/2022
Initial Certification Date : 12/12/2022
Deployment Date : 12/12/2022
Valid Till : 12/12/2025



Examination Results

Type	Minimum Marks %	Marks obtained
General	70	82.0
Specific	70	90.0
Practical	80	88.0
Averages	80	86.6

Vision Examination	
Near Vision J 1	OK
Colour Vision	OK


Course Director

Venkatachalam Govindan
Quality, HSE Manager / MR




Course Co-coordinator

S.S.Murugan
ASNT NDE Level III - PT, MT, RT, UT & VT

Please see reverse for endorsement



شركة الاختصاصيون لخدمات حقول النفط
Specialist Oilfield Services K.S.C.

PO BOX – 25495, SAFAT 13115, KUWAIT
TEL: 23262962, FAX: 23262982 E Mail: sales@soskw.com

NDE Certification as per
American Society for Nondestructive Testing
Recommended Practice No.: SNT-TC-1A and SOS Written Practice

This is to certify that **Mr. Aneesh Samuel** from Specialist Oil Field Services has satisfactorily completed a training course and passed the examination as detailed below:

Qualification : ITI - Welding
Work experience : 7 years
Method : Liquid Penetrant Testing
Level : II (Visible Only)
Training Hours : 24 Hours
Certificate No. : SOS/PT/02/2020
Initial Certification Date : 16/02/2020
Deployment Date : 16/02/2020
Valid Till : 15/02/2023



Examination Results

Type	Minimum Marks %	Marks obtained
General	70	87.5
Specific	70	84.0
Practical	80	88.0
Averages	80	86.50

Vision Examination	
Near Vision J 1	OK
Colour Vision	OK

Course Director

Venkatachalam Govindan
Quality, HSE Manager / MR



Course Co-coordinator

S.S.Murugan
ASNT NDE Level III - PT, MT, RT, UT & VT

Please see reverse for endorsement

4 Summary

4.1 Work Completed

The work scopes completed during the mobilisation are summarized in Table 1 below:

Table 1 – Summary of completed work scopes:

#	Task	Complete?	Supporting Documentation
1	Overhauled as per 2.1 Site Scope of Work	YES	YES
2			

4.2 Outstanding Activities / Defects Notes

All items identified as outstanding from the planned work scopes are identified in Table 2. Any additional items noted by the site personnel during the course of the work scope are also listed in Table 2.

Table 2 – Summary of outstanding actions and additional defects noted:

#	Task	Reasons / Source	Actions
1			
2			
3			
4			



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4.3 Notable Findings or Priority Actions

Of the outstanding or additional items identified in Table 2 those identified as being of particular note or considered priority actions are summarized in Table 3.

Table 3 – Summary of Priority Actions:

#	Task	Reasons / Source	Actions
1			
2			
3			
4			



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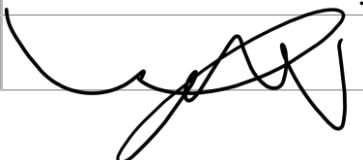
4.4 Handover Certificate

Specialist Oilfield Services (SOS) hereby certify that all the work carried out by Specialist Oilfield Services (SOS) personnel, associated with, Serial No 122 has been satisfactorily completed under **Job No: JO-25-387**

Any outstanding Items still to be completed have been noted and agreed in the accompanying Punch List **Job No: JO-25-387** in **Section 3.4.2** of the Work Pack if required.

All remedial actions and following work orders required are to be brought to the attention of the appropriate Specialist Oilfield Services (SOS) and documented in the Close out Report.

Signed: Specialist Oilfield Services (SOS) Personnel

Print Name:	V. Karczewski		
Signed:		Date:	09/10/2025

Signed: Client Representative

Print Name:	Dan Asher		
Signed:		Date:	09/10/2025

4.5 Certificate of Conformity

	SPECIALIST OILFIELD SERVICES K.S.C.	
	CERTIFICATE OF CONFORMANCE	SOS / QA / 23

Cert. No.: SOS-COC-25-339

CUSTOMER NAME	IR&E
JOB NUMBER	JO-25/387
CUSTOMER PO NO.	TS/612/845 REV 2
PRODUCT DESCRIPTION	IDECO LR-37.5 ROTARY TABLE
PART NO.	N/A
SERIAL NO.	122
DRAWING NO. & REV.	N/A
MSPEC / REV & MATL. TYPE	N/A
MTC NO. & HEAT NO.	N/A
DATE OF COMPLETION	09/10/2025
PRODUCT SPEC. / STD.	N/A
REFERENCE CODES & STANDARDS	API RP 7L

Specialist Oilfield Services K.S.C. certify that the equipment furnished for the above-mentioned purchase order was manufactured, tested and found to be in conformance with SOS Quality Management System requirements, Product specific requirements, Customer requirements. The records related to this product shall be retained for a period as specified in the applicable standards.

FOR SPECIALIST OILFIELD SERVICES K.S.C

V. Karczewski - After Market Service Manager



Iss. No./Date: 01/01/06/2013
Rev.No/Rev.Date: 02/04/05/2025

P.O. BOX 25495, SAFAT 13115, KUWAIT
Tel: 23262973, 23262962 / E-Mail: sos@seeskw.com / Fax: 23262982

4.6 Material Certificates

Forum Energy Technologies
10344 Sam Houston Park Dr, Suite 300
Houston, TX 77064 USA

Certificate of Conformance



URB Rulmenti, S.A.
320 Republicii
Barlada, RO 731108

Ref # ADY147939

To: TEXAS OILPATCH SERVICES
Matt Colbert
3515 Vista Rd
Pasadena, TX 77504

PO # 65783 (ADYS144054)

Date 7/30/2025

Customer Part # NU5326

Mfr Part # 848701008600 NU5326

HTS Code 8482.50.0000

Country of Origin ROMANIA

Serial # N/A

Quantity 1

I hereby certify that all materials, dimensions, processes and/or parts conform to the drawing and specifications per previously agreed requirements. These parts were manufactured according to ISO standards.

 7-30-25

Quality Assurance

Date

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**NOV Products Middle East FZE**

PO Box: 61490, Jebel Ali Free Zone,

Dubai, UAE.

T +97148838776, F +97148838705

COMMERCIAL INVOICE AND PACKING LIST

Shipper :	NOV PRODUCTS MIDDLE EAST FZE,	Date :	AUG-13-2025
Address :	P.O BOX NO. 61490,	Phone :	
	JEBEL ALI FREEZONE,	Fax :	
	DUBAI,	Inv. Ref. # :	NOV/JAN2473/2025
	UNITED ARAB EMIRATES.	Importer Code :	AE-1004107
Bill To :	INTERNATIONAL RIG AND EQUIPMENT LIMITED,	Ship To :	SPECIALIST OILFIELD SERVICES K.S.C.
Address :	PO BOX 42915,	Address :	SHUABA INDUSTRIAL AREA, MINA ABDULLA,
	HAMRIYAH FREE ZONE,		PLOT # 94, AREA #,
	SHARJAH,		P.O. BOX: 25496 / SAFAT 13115,
	UNITED ARAB EMIRATES.		KUWAIT.
Attn :	TAMOOR SHAHID M: 050-9731850	Attn :	JISHNU R M: +965) 66159417

Package Details (No. Weight(Kgs) & Dimension(CMS))

PKG # 01, 41.00 KGS, 43 X 43 X 45.

INCO TERMS: FCA JEBEL ALI, Dubai.
TOTAL CIPL VALUE: \$ 4,450.13
TOTAL NO. OF PACKAGES : 01 PKG.
TOTAL NET WEIGHT (APPROX) : 35.00 KGS.
TOTAL GROSS WEIGHT (APPROX) : 41.00 KGS.
NUMBER OF PAGES : 2.

PREPARED BY	POSITION	CONTRACT NUMBER	DATE
SHARIYAR KAZIA	SHIPPING LEAD	04-8016228	AUG-13-2025

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s), either in their original form or after they may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s). They are being incorporated into other items, without first obtaining approval from the U.S. government, or as otherwise authorized by U.S. law and regulations. The consigned items may also be subject to the laws of the country of export and country of origin. Diversion contrary to applicable law is prohibited.

DISCLAIMER :- All ECN and HTS Classification information received from National Oilwell Varco (NOV) is for informational purposes only and shall not be construed as NOV's representation, certification or warranty regarding the proper classification. Use of such classification information is at the Buyer's sole risk and without recourse to NOV. The buyer is responsible for determining the correct classifications of all items prior to export and Buyer shall make its own export licensing determinations.



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COMMERCIAL INVOICE AND PACKING LIST

NOV Products Middle East FZE
PO Box: 61490, JAFZA
Dubai, UAE
T: +97148838776 F: +97148839795

SO	Line	Pack List	PO	Qty	Item Number	ItemDescription	Import Reference	Rig	COO	ECCN	HTSCode	NetWgt	Package No.	Unit Price	Ext. Price
340672	0001	649908	NC/613/649	1	JB443	BEARING	3021082789925	Third Party Rig Stock/Inventory	US	US-EAR99	84823000	35.00	1	4,450.13	4,450.13





NOV Products Middle East FZE
Bldg ZK & Sons General Trading FZCO
Plot # S60906, JAFZA, South
Al Munawalah street # S1600
Dubai, P. O Box: 61490, UAE
VAT Reg #: 100559942600003

Packing Slip	649908
Cust PO	NC/613/849
Cust Num	12891
Page	1 of 1

Packing Slip

Certificate of Conformity

Invoice To	B001 160 JRS International Rig & Equipment Limited PO Box 42915 Hamriyah Free Zone Sharjah United Arab Emirates
-------------------	--

Ship To	S015 Specialist Oilfield Services K.S.C. Shuaiba Industrial Area Mina Abdulla, Plot # 94, Area P. O. Box: 25495 / Safat 13115 Kuwait
----------------	---

We hereby certify that the parts and/or assemblies have been manufactured, assembled and inspected in accordance with all applicable NOV specifications and procedures. All material acceptances, dimensional inspections, proof and functional tests and NDT inspections were performed by NOV approved sources that meet API/ASME requirements.

Cust Contact	Tamoor Shahid	Date Printed	09-OCT-2025
Customer eMail	tamoor.shahid@irefzco.com	Delivery Terms	EXJA
Sales Rep	SHAFI MUHAMMED	Ship Date	14-AUG-2025
Ref/Rig Name	Third Party Rig Stock/Inventory	Carrier	CUSTOMER COLLECT
Sales Order	340672	Ship Complete	
Ultimate Dest	Kuwait	Reference BOL	-

Line	Item Description	UM	Qty Ord	Ship Qty
0001	IB443 BEARING Alternate Item: 10274679-001 Country of Origin: UNITED STATES OF AMERICA Harmonized Tariff Schedule Code: 848230000000 Export Control Classification Number: US-EAR99	EA	1.0000	1.0000
DISCLAIMER: All ECCN and HTS classification information received from National Oilwell Varco (NOV) is for informational purposes only and shall not be construed as NOV's representation, certification or warranty regarding the proper classification. Use of such classification information is at the Buyer's sole risk and without recourse to NOV. The Buyer is responsible for determining the correct classifications of all items prior to export and Buyer shall make its own export licensing determinations. In the event of a change in tax law, tax treaty, trade agreement or tariffs that materially affects the cost to NOV to manufacture and supply its Goods, resulting in an increase of the Goods price, NOV shall be entitled to a price adjustment.				
Authorized Signature <u>Abdul Niyas</u> Received By (Printed Name) <u>NOV NOV PRODUCTS MIDDLE EAST - FZE</u> Date <u>NOV NOV PRODUCTS MIDDLE EAST - FZE</u>			Gross Weight _____ Car _____ Seal _____ Pro _____	
End of Packing Slip: 649908 All items INVOICED by Packing Slip.				



Customer TEXAS OIL PATCH

Customer

3515 VISTA RD

PASADENA TX 77504

Certificate of Compliance / Origin (Standard)

This certifies that the product identified below was manufactured using the processes, procedures, work instructions, and design documentation required by SKF USA Inc. The product has been inspected according to the SKF Inspection Plans and is free from any known non-conformance. The product does not contain any mercury compound nor mercury contamination in the materials, lubricant or preservative. The raw materials used in the product meets SKF specifications, and the manufacturers of the raw materials have certified conformance with these specifications. The product is certified for commercial use only. The product is not certified for flight critical application or use. This certification does not imply conformance to DFARS 252.225-7014 or DFARS 252.225.7016.

SKF Product Designation	66241 [12 74]
Cust. Own/Alt. Designation	-
SKF Order Number	24E0033472
Customer Own Order ID	61003
Quantity	4
Date Shipped	1/29/2024
Country of Manufacture	Mexico


Vice President - Quality



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4.7 Punch List

Not Applicable



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4.8 Customer Feedback