



### **CAT IV IDECO LR-37.5 ROTARY TABLE**

#### **REVISION: A1**

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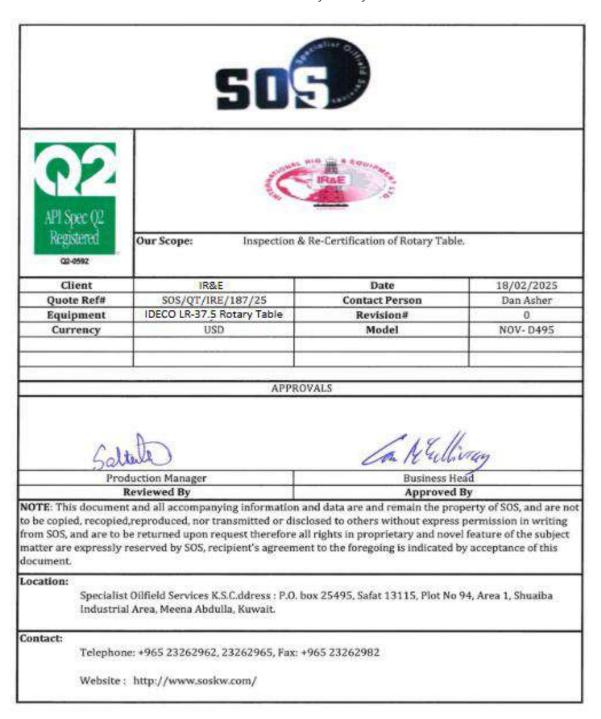


**CAT IV IDECO LR-37.5 ROTARY TABLE** 

**REVISION: A1** 

#### 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



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**CAT IV IDECO LR-37.5 ROTARY TABLE** 

**REVISION: A1** 

#### 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.

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#### 2.2 Inspection Reports

1	509	3	Sp	ecialis	t Oilfield	Service	s K.S.C		SOS /	QA / 10
			4.	INSF	PECTION R	EPORT			15	
lob I	Number		JO-25-387			-	Report Num	ber	JO-25-387-2	02
tem	Detail		IDECO LR-97.5 Re	otery Tetre			Inspection C		13/05/2025	
Trajos	eability		SN# 122				Procedure r	ef.	QIP-45 baue	01 Rev 04.
Cust	omer		IRAE				Acceptance	STD	2	0.3393004
	*******		1	-	nspection S	tage	1		I.i.	
Asi	bevisce	After Bleefing / cleaning	After Pre- mechining / proof mechining	After weiding	After final machining	After head treatment	Prior assembly	After testing	After painting / coeting	Final Inspection
_	- 1			ir	nspection D	etalis	ė .	350	ti .	50
#	Pr	art Detail			Observation	ē		Recor	mmendation	/ Remark
1	Rot	O LR-37.5 ary Table e : IDECO N# 122	# Dismantiin	g of part	ts on going	ı		# Subje	ected to cli	ent
	NOT A	VAILABLE / AF	PLICABLE ING REFERENCE							
			17.0				1	7,0	1000	

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SOS		Specialis	t Oilfield Service	s K.S.C	S	OS / QA / 10
53353952		INSP	PECTION REPORT			
Job Number		10-25-387		Report Num	ber JO-25	i-387-2-02
tem Detail		DECO LR-37.5 Rotery Table		Inspection C	Date 13/05	2025
Traceability	-	SN# 122		Procedure r	et. QP-4	S maue 01 Rev 04
Customer	- 1	RAE		Acceptance	3TD -	
						A
nspected By	Specialist Official	Services.	THELD SO.	Vertfled By	Specialist Office	d Services
Name	Hasan Muhamme			Verified By Name	Arsath Allan	d Services
			SOS	3-0000000000000000000000000000000000000	27	d Services

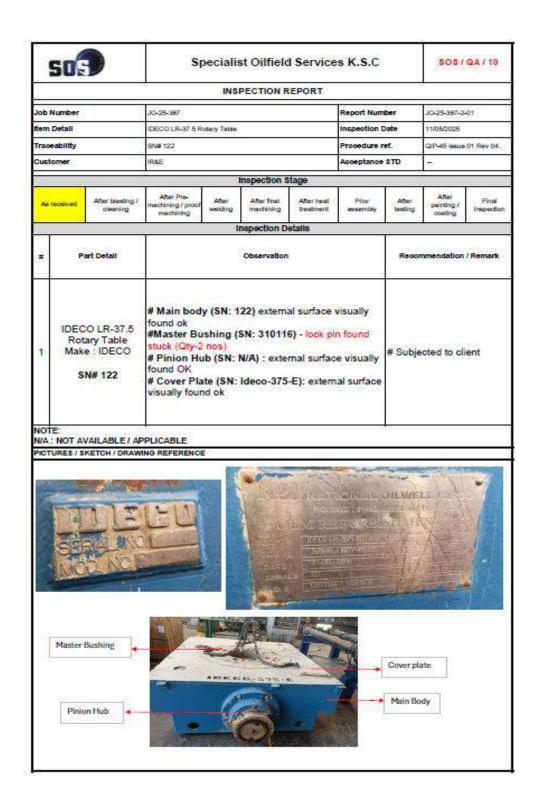
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**CAT IV IDECO LR-37.5 ROTARY TABLE** 







#### **CAT IV IDECO LR-37.5 ROTARY TABLE**

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### SOF

#### 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	26 Uf	
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.
- 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.

Issue No / Issue Date: 02 / 01:04:2024 Rev. No / Rev. Date: 01 / 28/07/2025

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#### **CAT IV IDECO LR-37.5 ROTARY TABLE**

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#### SERVICE REPORT

#### SOS/PRD/12

#### 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.

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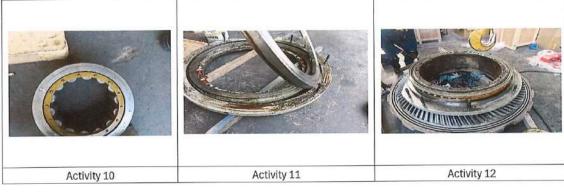




### **CAT IV IDECO LR-37.5 ROTARY TABLE**

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#### SERVICE REPORT

#### SOS/PRD/12

0 0		(Applicable)	□Yes □ No
	rts Change (I	Applicable)	Larres Lino
	ription (If Yes)	Itam Description	Part number
S/No	Qty 1	Item Description	IB-443
1		Pinion End Roller Bearing  34" NC Cap screw 2" Length	ID-443
2	10	Sprocket End Roller Bearing	IB-661
3	1		308-115
4	As Req	Shims	10-305
5	1	Oil Seal	BMT-1001-895
6	1	Oil Seal Race	IB-443
7	1	Pinion Key	The state of the s
8	As Req	Shims, Main Bearing	308-110
9	8	1" NC Elastic Stop Nut	DAT 0000 0 00
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"

	Work Done By	A PERMIT	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 A Eng.
Date	22-Sep-2025	Date	09/10/2025	Date	09/10/2025
Signature	Splan	Signature		Signature	N. R.
			STATISTICS	50 T 0.C. 1	WICES A

Issue No / Issue Date: 02 / 01:04:2024 Rev. No / Rev. Date: 01 / 28/07/2025

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### **CAT IV IDECO LR-37.5 ROTARY TABLE**





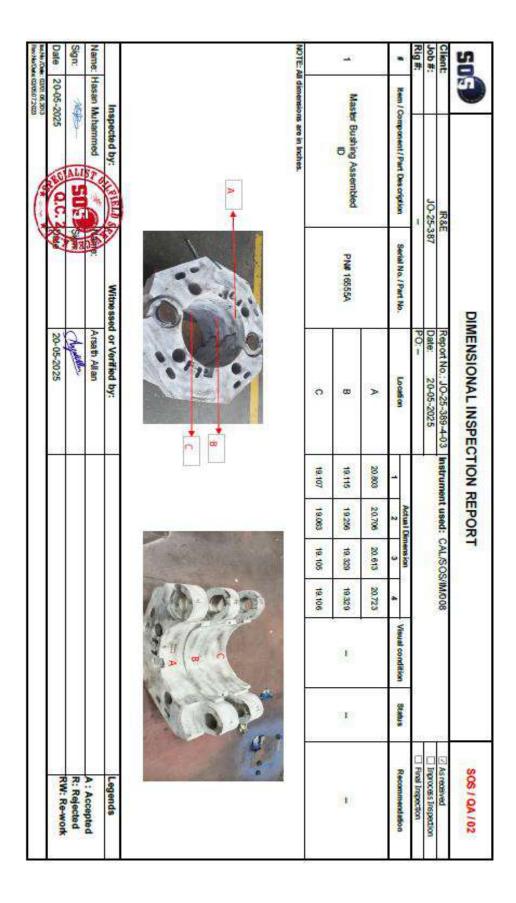
### CAT IV IDECO LR-37.5 ROTARY TABLE

Date 2		Sign	Name: H		NOTE: All	0	*	Rig #:	Job#:	Client:	<b>E05</b>	
20-05-2025	Company of the Compan	一大学を	Name: Hasan Muhammed	Inspected by:	Pinion shaft -B OD NOTE: All dimensions are in inches.	Distance	Rem / Component / Part Description			3	•	200
		S 305 E	21	Serent S	i di di		rt Description	1	JO-25-387	IR&E		
0816		Signa	No.	Witnesse	PN# N/A		Serial No. / Part No.		87	0000	DIME	
20-05-2025	A COUNTY OF THE PROPERTY OF THE PARTY OF THE	August 1	Arsath Allan	Witnessed or Verified by:	•	1000	Location	PO:-	Date: 20-05-2025	Report No.: JO-25-387-4-02 Instrument used : CAL/SOS/OM/036	DIMENSIONAL INSPECTION REPORT	
			3 3	-(9	4020		1 Act	-	S0000000000000000000000000000000000000	instrume	N REP	
					4048		Actual Dimension	Company of the Company		nt used :	ORT	
					4031		3	350		CAL/SOS		
					1		Visual condition			OM/036		
					- i		Status					
	RW: Re-work	R: Rejected	A : Accepted	Legends			Recommendation	☐ Final Inspection	☐ Inprocess Inspection	<ul> <li>As received</li> </ul>	SOS / QA / 92	





### CAT IV IDECO LR-37.5 ROTARY TABLE







### CAT IV IDECO LR-37.5 ROTARY TABLE





### CAT IV IDECO LR-37.5 ROTARY TABLE

SIDERO INCO MINO PARM	Date	Sign:	Name:	П	NOTE:	1211	*	Rig #	Job#:	Client:	503
** CAN 082013	20-05-2025	1	Name: Hasan Muhammed	Inspected by:	NOTE: All dimensions are in inches.	Pinion Gear ID	Rem / Component / Part Description	esee.	-3	8365	•
1	· (2)	Sa	1	Witness		PN# 308-95-02	Serial No. / Part No.	1	JO-25-387	IR&E	DIMI
18	20-05-2025	Chapter -	Arsath Allan	Witnessed or Verified by:		>	Location	GC -	Date: 20-05-2025	Report No.: JO-25-387-4-05 Instrument used : CAL/SOS/IM/008	DIMENSIONAL INSPECTION REPORT
38		g>				5.745	1 00	8	0.000	Instrume	ON REP
						5.747	ACQUAL DIFFERENCE 2			nt used :	ORT
						5.747	3			CAL/SOS	
						ij	Visual condition	***		1M/008	
						3	Status				
8	RW: Re-work	R: Rejected	A : Accepted	Legends		1	Recommendation	Pinal Inspection	☐ Inprocess Inspection	<ul> <li>As received</li> </ul>	SOS / QA / 02





### CAT IV IDECO LR-37.5 ROTARY TABLE

SIDERO INCO MENON PARA	Date	Sign:	Name:	П	NOTE: J	<b>2</b> 1			Rig #	Job#:	Client:	503
MA DWG: 0301 ()62013	21-05-2025	(三)	Name: Hasan Muhammed	inspected by:	NOTE: All dimensions are in Inches.	Sprocket Hub ID	Control of the Contro	Rem / Component / Part Description	250	-38	200	<b>(1)</b>
(4)	3 a.c. 06	Sept. 305		S OTRIA		27011	- 12		i	JO-25-387	IR&E	
				Witnesse		PN# 308-95-02		Serial No. / Part No.				DIME
133	21-05-2025	Children	Arseth Allen	Witnessed or Verified by:		>	ò	Location	PO: -	Date: 21-05-2025	Report No.: JO-25-387-4-06 Instrument used CAL/SOS/IM/008	DIMENSIONAL INSPECTION REPORT
205		9-X	2—3	-38	SCHOOL STATE	5.110	-	Ac	(16)		Instrume	ON REP
						5.108	N	Actual Dimension	Processor or	The September of the Se	mt used (	ORT
						5109		non		3,73,73,73	CAL/SOS/	
						3		Visual condition		1000000	1M/008	
						3		Status				
8	RW: Re-work	R: Rejected	A : Accepted	Legends		ı	0.0000000000000000000000000000000000000	Recommendation	☐ Final Inspection	☐ Inprocess Inspection	<ul> <li>As received</li> </ul>	SOS / QA / 02





### CAT IV IDECO LR-37.5 ROTARY TABLE

503	0	3-6-2-20	DIMENSIONAL INSPECTION REPORT	ON REPO	R	000	5	8	8
Client:	170	IR&E	t No.		200	SE CA	ed CAL/SOS/IN	Instrument used CAL/SOS/IM/008	ed CAL/SOS/IM/DOB
Rig #	20.0	1 00000	PO -	- 8 (5					T
٦			I	Actua		Dimensio	Actual Dimension		
# Rem	item / Component / Part Description	Serial No. / Part No.	Location	1		2	ce	1.0	ce
			>	10.565	0	10.569	10.569 10.566		
82	Capsule ID	PN# 308-95-02	8	11.017	0 1	- 0		- 0	11.022 11.019
NOTE: All dimens	NOTE: All dimensions are in Inches				_		-		
				Ì		12	(3)	-	
		TIE							
		NO STATE						11019	
	Inspected by:							11019	
Name: Hasan Muhammed	Muhammed (5)	Witnes	Witnessed or Verified by:					11.019	
Sign: 78	一個大学の	att se						11019	
Date 21-05-2025		STATE OF THE PARTY						11.019	
MINO DWM: 0201 062013				1			11.022	11.009	





### CAT IV IDECO LR-37.5 ROTARY TABLE

be No. Dub. 0201 062013	Date	Sign:	Name:		NOTE: A	4			Rig #	Job#:	Client:	503
0000000	21-05-2025	TAL	Name: Hasan Muhammed	Inspected by:	NOTE: All dimensions are in inches.	Main bearing Assembly Middle Riser ID	men / component / Part Description		8.60	JO-2	3.43	•
The same of	10.7. SEC.	S TOPS	1	Witness	S OF STATE O	PN# 308-96-02	Sensi No. / Part No.	Share and the same	<b>44</b> .	JO-25-387	R&E	DIME
3	21-05-2025	Supply	Arsath Allan	Witnessed or Verified by:		>	Liscation	100000000	PO: -	Date: 21-05-2025	Report No.: JO-25-387-4-08	DIMENSIONAL INSPECTION REPORT
İ		ss	3-3	- 50		41.056	4	AC.	3	000000000000000000000000000000000000000	instrume	ON REP
I						41.051	2	Actual Dimension			Instrument used CAL/SOSIM/006	ORT
l						41.053	3	non			CAL/SOSI	
	93					i	visual condition				800vW	
						1	Status	The second second				
	7	-		_		1	79		□ Fina	O Inp	□ As n	SC
	RW: Re-work	R: Rejected	A : Accepted	Legends			Kecommencation		Final Inspection	Inprocess Inspection	As received	SOS / QA / 02





### **CAT IV IDECO LR-37.5 ROTARY TABLE**

	Inspected by: Name: Hasan Muhammed Sign: Maybia-	Name: Hasan		NOTE: All dimensions are in inches.	Main bearing Assembly Upper Riser ID	# Rem / Component / Part Description	Rig #	Job#:	Client:	502
	Witness Witness		<b>&gt;</b>		PN# 308-96-01	Serial No. / Part No.	t	25-387	R&E	DIME
25-387 Serial No. / Pa PN# 308-94	Witnessed or Verified by:  Arsath Allan	ad or Verified by:	ad or Verified by:		>	Location	PO: -	Date: 21-05-2025	Report No.: JO-25-387-4-09	NSIONAL INSPECTI
DIME: 25-387 Serial No. / Part No. Part					41.231	- 8		_	Instrume	ON REP
DIME/ 26-387 Serial No. / Part No.					41231	2			nt used	ORT
26.287 25-387 Serial No. / Part No.					41.232	3			CAL/SOS	
DIMER 28-387 Serial No. / Part No.				ī.	i	Visual condition			M/006	
DIMENSIONAL INSPECTION REPORT   Report No.: JO-25-387-4-09   Instrument used   CAL/SOSI   25-387   Date:   21-05-2025   Actual Dimension   1   2   3					1	Status				
DIMENSIONAL INSPECTION REPORT	R. A. Le	A: Le	Le		1	Recor	I kna i	Inproc	☑ As received	sos
DIMENSIONAL INSPECTION REPORT	Legends A: Accepted R: Rejected	gends	gends			Recommendation	Final Inspection	Inprocess Inspection	beved	SOS / QA / 02





### **CAT IV IDECO LR-37.5 ROTARY TABLE**

6 JOC 30 LOCK BONG '04 W	Date	Sign:	Name:		NOTE A		*	7.5g #:	JOD #	Client	505
	21-05-2025	respon	Name: Hasan Muhammed	inspected by:	NOTE: All dimensions are in inches.	Main bearing Assembly Upper Riser ID	Item / Component / Part Description		650	15	•
200	A	II.	FO	THE STATE OF THE S	*	ssembly r ID	rt Description		100-05-001	IR&E	
me Vie	Charle he as	88	THE STATE OF THE S	Witness		PN#308-96-01	Serial No. / Part No.		0/	0.1	DIME
	21-05-2025	Charles	Arsath Allan	Witnessed or Verified by:		>	Location	PO.	Date: 21-05-2025	No	DIMENSIONAL INSPECTION REPORT
		<del>6. 1</del>	5-33	=53		41.007	-		550	Instrum	ON REF
						41.008	2	Actual Dimension		ent used	ORT
						41.008	3			CAL/SOS	
	20					i.	Visual condition			900/WI	
						I.	Status	The second secon			
						ř.	R		dur I	□ As	SC
	RW: Re-work	R: Rejected	A : Accepted	Legends			Recommendation	Final Inspection	inprocess inspection	✓ As received	SOS / QA / 02





#### **CAT IV IDECO LR-37.5 ROTARY TABLE**

**REVISION: A1** 

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

Contract/Job No.:	102	5-387		Repor	Mo :	10.3	5-387-3-01	Date:	20-05-2025			
	100			Part:	No.:	30-2			20-05-2025			
Customer:	IR&E			-			As denote	d below				
Item/Component:		O LR-37.5 SN# 122	Rotary Table- Pa	Thickr	ess:		.=					
Material:	Ferro	-magneti	material	Surfac Tempe	T-0300000		35°C					
Procedure No & Rev.:	PRO	NDE/04, is	sue 4 Rev 8	MT Eq	uipmer	nt:	☑ YOKE	10 11	COIL			
Acceptance Standard:	AWS	D1.1		Model	#:		=	Make:	Magnafield			
Consumable Manufacturer:	Magr	naflux	20	Lifting Type:	Capac	ity & C	urrent		4.54 Kg & AC			
Technique /	⊠ w	et Non-Flu	Pole S (3"-8")		ion	1	00 mm					
Method	□ W	et Fluoresc	ent	Light 8		nent:	⊠ lamp	0.00	UV Lamp			
Surface		100000000000000000000000000000000000000	200	Light I	_		>1076 Lux	-				
Enhancement Contrast:	⊠ 21	thin coats	□ N/A	Dark F	Dark Room Intensity:							
EQUIPMENT DETAILS	Equip	oment ID	Cal Due Date	. 10		{	<u></u>					
MPI Yoke	SOS/	YK/04	18-10-2025	Demag	netiza	tion:	Yes					
Light Equipment	1000000	DLM/002	Magne	Magnetic Flux Indicator:			(SOS/PiG/	01)				
EXAMINED PROD	UCT / SU	IRFACE C	ONDITION:			AREA	ÉXAMINED:					
As Received	A COLOR HOLE	Grounded Wire Brushing			☑ 100%			Specific Location (Detail) –				
Machined	☐ As W	As Welded Other			Accessi	ible area	а					
After PWHT	Grit B	ALCOHOLD	ini		☐ Weld Joint (s)  NON-EXAMINED AREA							
EXAMINATION ST	TAGE:	☐ Initial☐ Intern☐ Final☐	nediate	-	AMMIR	NED AR	EA:					
CONSUMABLES DETAILS:		Туре		Batch Nun	ber		Magnetizing Direction: Two directions (right angles to each other).					
White Contrast		Magnavis	WCP-2	240202								
Black Ink		Magnavis	7HF	240406			The second of the second					
Fluorescent Ink		-		( <del>-</del>			Perform	ed in two o	lirections			
Cleaner		Spotched	k SKC-S	240401								
PICTURE/SKETCI	H:	0.0	Min and a second	7	Cold	100	6					
Item		8	SI. No.	Location	10000	ation /pe	Size in MM	Result	Remark			
Master Bush	ing	PN	# 16555A	Full Body	,	Viil	Nil	Accepte	d Accepted			
Examined and Eva (Level-1/II) Signature : And Name : And	rest	5	SIN SI	C. 2		(Leve	ture: Hasar	Munamm				

las No./Date: 02/01.06.2013 Rev.No/Rev.Date: 03/15.12.2022





### **CAT IV IDECO LR-37.5 ROTARY TABLE**

**REVISION: A1** 

505	Specialist Oilfield Services K.	s.c
MAGNETIC PAI	RTICLE EXAMINATION (MT) REPORT	SOS / QA / 06

Contract/Job No.:	JO-2	5-387		1 3	Report N	lo.:	JO-2	5-387-3-02	Date:	20-	05-2025	
Customer:	IR&E				Part:	75		As denote	d below			
Item/Component:		O LR-37.5 SN# 122	Rotary Table- P	arts	Thicknes	55:		123				
Material:	Ferro	o-magnetic	: material		Surface Tempera	ture:		35°C				
Procedure No & Rev.:	PRO	/NDE/04, is	sue 4 Rev 8		MT Equi			☑ YOKE	OIL			
Acceptance Standard:	AWS	D1.1			Model #:			-	Make:	Mag	gnafield	
Consumable Manufacturer:	Magi	naflux		Lifting C Type:	apac	ity & C	urrent		4.54	Kg & AC		
Technique / Method	817,00	et Non-Fluo et Fluoresc		: 0	Pole Sep (3"-8"):			(9)	00 mm	line	F 2000	
	U vv	et Fluoresc	ent	_	Light Equipment: Light level:			⊠ lamp		100	Lamp	
Surface Enhancement Contrast:	⊠ 2	thin coats	□ N/A		Dark Room Intensity:			>1076 Lux N/A				
EQUIPMENT DETAILS	Equi	pment ID	Cal Due Dat	te	Drawing	No.:	9	<del>175</del>				
MPI Yoke	SOS	YK/04	18-10-2025	Demagnetization: Magnetic Flux			Yes					
Light Equipment	SOS	DLM/002	14-07-2025 INDITION:		Magnetic		x	Pie gauge (SOS/PiG/01)				
EXAMINED PROD	HCT / SI	IDEACE C					AREA	A EXAMINED:				
As Received		Grounded Wire Brush			☑ 100%		ANDA		fic Location	(Detai	l) –	
☐ Machined ☐ As		Velded	Other				3					
After PWHT	☑ Grit l	Blasted			☐ Weld Joint (s)			5,7				
EXAMINATION ST	TAGE:	☐ Initial ☐ Interm ☑ Final	nediate		NON-EX	AMIN	IED AR					
CONSUMABLES DETAILS:		Туре		Bato	ch Numb	er		Magnet Two dire	izing Dire	ction:	ales to	
White Contrast		Magnavis	WCP-2	2402	202			Two directions (right angles to each other).				
Black Ink		Magnavis	7HF	2404	406					e de	2122	
Fluorescent Ink		-		-				Pertorm	ed in two	lirecti	ons	
Cleaner		Spotched	k SKC-S	2404	401			- 6				
PICTURE/SKETCI	н				)							
Item		8	SI. No.	Loc	ation	7175145	ation pe	Size in MM	Result		Remark	
Bearing Suppor	t Ring	PN	# 308-128	Full	Body	١	an .	Nil	Accepte	d	Accepted	
Examined and Eva (Level-1/II) Signature : And	eesh	<u> </u>		TELD.		79	(Leve	ture :	ved By:	nea		

Iss.No./Date: 02/01.06.2013 Rev.No/Rev.Date: 03/15.12.2022





### **CAT IV IDECO LR-37.5 ROTARY TABLE**

**REVISION: A1** 

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

Contract/Job No.	: JO-2	5-387		Repor	t No.:	JO-2	5-387-3-04	Date:	20-05-20	25			
Customer:	IR&E			Part:	- EQUICATOR	-	As denote	d below	2011-2000-0023-00	2,000			
Item/Component		O LR-37.5 SN# 122	Rotary Table- Par	Thick	ness:		-						
Material:	Ferro	o-magneti	c material	Surfac	erature	5	35°C						
Procedure No & Rev.:	PRO	/NDE/04, is	sue 4 Rev 8	MTE	uipme	nt:	☑ YOKE		COIL				
Acceptance Standard:	AWS	D1.1		Model	#:		-	Make:	Magnafield	d			
Consumable Manufacturer:	Mag	naflux		Lifting Type:	Capac	city & C	urrent		4.54 Kg & A	C			
Technique / Method	\$150 mg	et Non-Flu		Pole \$ (3"-8"	eparat ):	ion	50000	00 mm	86				
	□ W	et Fluores	ent		Equipn	nent:	Iamp		UV Lamp				
Surface			<u> </u>	Light			>1076 Lux		(4)				
Enhancement Contrast:	⊠ 2	thin coats	□ N/A	Dark F Intens	200		N/A						
EQUIPMENT DETAILS	Equi	pment ID	Cal Due Date	Drawi	ng No.:	ġ							
MPI Yoke	SOS	SOS/YK/04 18-10-2025			Demagnetization:								
Light Equipment	SOS	DLM/002	14-07-2025		Magnetic Flux Indicator:			Pie gauge (SOS/PiG/01)					
<b>EXAMINED PROD</b>	DUCT / SU	JRFACE C	ONDITION:	COVE	RAGE	AREA	EXAMINED:		CAP PAR				
As Received	☐ Grou	unded	☐ Wire Brushing	I ⊠ 100	□ 100%     □ All Accessible area			fic Location	(Detail) -				
☐ Machined	☐ As V	Velded	Other	⊠ All									
After PWHT	Grit	Blasted	9 2	□We	ld Joint	(s)	3						
EXAMINATION S	TAGE:	☐ Intern	nediate	22			1		ı-				
CONSUMABLES DETAILS:		Type		Batch Nun	nber		Two din		ction: ht angles to				
White Contrast		Magnavi		240202			each ot	her).					
Black Ink		Magnavi	s 7HF	240406			Parform	ed in two	linactions				
Fluorescent Ink		-		-			1 enom	ed in two t	medions				
Cleaner PICTURE/SKETC	Service S	Spotche	sk SKC-S	240401	on the same	00	- 4						
Item	Item		SI. No.	Location	200	cation /pe	Size in MM	Result	Rem	ark			
Hold down F	ting	PN	# 308-130	Full Body	1	Viil	Nil	Accepte	d Accep	pted			
	essh 05-2025	Ē	SI	C. 2		Witne (Leve Signa Name	ture : : Hasai	wed By: North Munamm 5-2025	nea				

lss.No./Date: 02/01.06.2013 Rev.No/Rev.Date: 03/15.12.2022





### **CAT IV IDECO LR-37.5 ROTARY TABLE**

**REVISION: A1** 

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

Contract/Job No.:	JO-2	5-387			Report	No.: Jo	0-25-38	7-3-05	Date:	20-05-2025		
Customer:	IR&E				Part:		As	denote	d below			
Item/Component:		O LR-37.5 SN# 122	Rotary Table-	Parts	Thickne	ess:	-					
Material:	Ferro	-magneti	material		Surface	The state of the s	35	°C				
Procedure No & Rev.:	PRO	NDE/04, is	sue 4 Rev 8		104007	ipment:	×	YOKE	3	COIL		
Acceptance Standard:	AWS	D1.1			Model #	t:		Make: Mag				
Consumable Manufacturer:	Magr	naflux			Lifting Capacity & Current Type:				4.54 Kg & AC			
Technique / Method	5.1000000000	et Non-Flu			Pole Separation 100 mm (3"-8"):							
Metriou	□ W	☐ Wet Fluorescent				quipment		☑ lamp ☐ UV Lam				
Surface Enhancement Contrast:	<b>⊠</b> 2t	hin coats	□ N/A		Light le Dark Re Intensit	oom	100	>1076 Lux N/A				
EQUIPMENT DETAILS	Equip				Drawin		120					
MPI Yoke	SOS/	YK/04	18-10-2025		Demag	netization	n: Ye	Yes				
Light Equipment	SOS/	SOS/DLM/002 14-07-2025			Magnet Indicate	ic Flux		Pie gauge (SOS/PiG/01)				
EXAMINED PROD	UCT / SU	URFACE CONDITION:				COVERAGE / AREA EX			3			
As Received	☐ Grou	nded	☐ Wire Brush	hing	⊠ 1009	- 8	☐ Speci	fic Location	(Detail) –			
Machined	☐ As W		Other			ocessible	SECTION A					
After PWHT	☑ Grit E	Blasted			☐ Weld Joint (s)							
EXAMINATION ST	AGE:	☐ Initial☐ Intern☐ Final	nediate			KAMINED	AREA.					
CONSUMABLES DETAILS:	- 3	Туре		Ba	tch Num	ber			izing Direc	tion: nt angles to		
White Contrast		Magnavis	WCP-2	24	40202			each other).				
Black Ink		Magnavis	7HF	240	0406							
Fluorescent Ink		-		-				Pertorm	ed in two d	irections		
Cleaner		Spotched	k SKC-S	240	0401							
PICTURE/SKETCH			(									
Item	3		SI. No.	Lo	cation	Indication Type		ize in MM	Result	Remark		
Mud Ring		PN	# 308-127	Fu	II Body	Nil		Nil	Accepted	d Accepted		
Examined and Eva (Level-1/II) Signature : Ane:	wh			FIELD	SER LE	(L Si	litnessed evel- II) ignature ame	:	ved By:	ea		

lss No./Date: 02/01.06.2013 Rev.No/Rev.Date: 03/15.12.2022





### **CAT IV IDECO LR-37.5 ROTARY TABLE**

**REVISION: A1** 

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

Contract/Job No.:	JO-2	5-387		Repo	rt No.:	JO-2	5-387-3-06	Date:	20-05-202			
Customer:	IR&E	3		Part:			As denote	d below				
tem/Component:		O LR-37.5 SN# 122	Rotary Table-	Parts Thick	iness:		-					
Material:	Ferro	-magnetic	material	Surfa	ice perature	:	35°C					
Procedure No & Rev.:	PRO	NDE/04, is	sue 4 Rev 8	(23)	quipme		☑ YOKE		□ COIL			
Acceptance Standard:	AWS	D1.1		Mode	el #:	-00000000000000000000000000000000000000		Make:	Magnafield			
Consumable Manufacturer:	Magr	naflux		Liftin Type	g Capac	ity & C	urrent	urrent 4.54 Kg & AC				
Technique / Method	3030170 m/C	et Non-Flu			Pole Separation (3"-8"):			00 mm	N. C.			
Menion	□ W	et Fluoresc	ent	Light	Light Equipment:			- 1	UV Lamp			
Surface	8/2000				Light level: >							
Enhancement Contrast:	<b>⊠</b> 21	2 thin coats N/A			Dark Room Intensity:							
EQUIPMENT DETAILS	Equip	oment ID	Cal Due Da	te Draw	Drawing No.:							
MPI Yoke	SOS/	SOS/YK/04 18-10-2025			Demagnetization: Magnetic Flux							
Light Equipment	SOS/	SOS/DLM/002 14-07-2025				x	Pie gauge	(SOS/PiG	(10)			
EXAMINED PROD	UČT / SU	IRFACE C	COV	ERAGE.	AREA	EXAMINED:						
As Received	☐ Grou	100			⊠ 100%			Specific Location (Detail) –				
Machined	☐ As W	As Welded Other			All Accessible area							
After PWHT	☑ Grit E	Blasted	05		eld Joint		100					
EXAMINATION ST	AGE:	☐ Intern	nediate	<u> </u>			20					
CONSUMABLES DETAILS:		Type		Batch Nu	mber		Two din		ction: ht angles to			
White Contrast		Magnavis		240202			each of	her).				
Black Ink		Magnavis	7HF	240406			Performed in two directions					
Fluorescent Ink		-		-								
Cleaner		Spotched	k SKC-S	240401								
PICTURE/SKETCH			· C	0	)							
ltem			SI. No.	Location		ation /pe	Size in MM	Result	Remai			
Bearing Retain	ner	PN	# 308-100	Full Body	3	Vil	Nil	Accepte	d Accept			
Examined and Eval (Level-1/II) Signature : Anes Name : Anes	early-		10 mg	ILLE SEA		(Leve	ture :	wed By:	ned			

lss No./Date: 02/01.06.2013 Rev.No/Rev.Date: 03/15 12:2022





### **CAT IV IDECO LR-37.5 ROTARY TABLE**

**REVISION: A1** 

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

Contract/Job No.	: JO	-25-387		Repor	t No.:	JO-2	5-387-3-07	Date:	20-05-202		
Customer:	IR	ßE.		Part:		2	As denote	d below	V.		
Item/Component:		CO LR-37.5 sy SN# 122	Rotary Table- Pa	Thick	ness:						
Material:	Fe	rro-magnetic	: material	Surfac	ce erature	: : : : : : : : : : : : : : : : : : :	35°C				
Procedure No & Rev.:	PR	O/NDE/04, is	sue 4 Rev 8	18	quipme		<b>⊠</b> YOKE		COIL		
Acceptance Standard:	AW	/S D1.1		Model			=	Make:	Magnafield		
Consumable Manufacturer:	Ma	gnaflux		Type:	Lifting Capacity & Cur Type:				4.54 Kg & AC		
Technique / Method		Wet Non-Fluo		(3"-8"			1 Iamp	00 mm	12		
		Wet Fluoresc	ent						UV Lamp		
Surface Enhancement Contrast:	×	2 thin coats	□ N/A	Dark I	Room		>1076 Lux N/A				
EQUIPMENT DETAILS	Eq	uipment ID	Cal Due Date	Drawi	ng No.:	88					
MPI Yoke	SO	S/YK/04	18-10-2025		gnetiza		Yes				
Light Equipment	SO	S/DLM/002	14-07-2025	Magnetic Flux Indicator:			Pie gauge	(SOS/PiG/	01)		
EXAMINED PROD	OUCT /	SURFACE CO		COVERAGE / AREA E			61	50 60 50			
As Received		ounded	☐ Wire Brushin		16/6/15		Specific Location (Detail) –				
Machined	☐ As	Welded	Other	⊠ All							
After PWHT	⊠ Gr	it Blasted		□We	ld Joint	(s)					
EXAMINATION STAGE:		☐ Initial ☐ Intermedi ☑ Final	ate	NON-I	EXAMIN	EU AK		VIII			
CONSUMABLES DETAILS:		Туре	*	Batch Nur	nber		Magnetizing Direction: Two directions (right angles to each other).				
White Contrast	- 8	Magnavis W		240202							
Black Ink	- 8	Magnavis 7H	F .	240406				ed in two	directions		
Fluorescent Ink Cleaner		Spotcheck S	VC S	240401			, choin				
PICTURE/SKETC	H:		C	7			•				
Item		Si	. No.	Location	100000000000000000000000000000000000000	ation	Size in	Result	Rema		
Lock		PN#	308-104	Full Body	1	Nil	Nil	Accepte	d Accept		
Lock Lever & p	Lock Lever & pin PN# 389-59			Full Body	j	Nil .	Nil	Accepte	d Accept		
Examined and Eva (Level- I / II) Signature : And Name : And	essh		SITE	DED SEA	)	(Leve	ture: : Hasa	wed By:	ned		

las No./Date: 02/01.06.2013 Rev.No/Rev.Date: 03/15.12.2022





### **CAT IV IDECO LR-37.5 ROTARY TABLE**

**REVISION: A1** 

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

Contract/Job No.:	JO-2	5-387		Repo	ort No.:	JO-2	5-387-3-09	Date:	20-05-2025		
Customer:	IR&E			Part			As denote	d below			
Item/Component:	IDEC		Rotary Table- P	arts	kness:		-	a noion			
Material:	Ferro	-magnetic	: material	Surf. Tem	ace perature		35°C				
Procedure No & Rev.:	PRO	NDE/04, is	sue 4 Rev 8	75933	quipme	Sas	YOKE □ COIL				
Acceptance Standard:	AWS	D1.1		Mod	el #:		-	Make:	Magnafield		
Consumable Manufacturer:	Magr	naflux		Liftir Type	g Capac	city & C	urrent		4.54 Kg & AC		
Technique / Method		et Non-Flu		(3"-8	Separat "): t Equipo	220000	1 Iamp	00 mm	UV Lamp		
Surface Enhancement Contrast:		thin coats	□ N/A	Ligh Dark	level: Room	icini.	>1076 Lux N/A	-	_ cr comp		
EQUIPMENT DETAILS	Equip	oment ID	Cal Due Dat		isity: ving No.:	i	7-2				
MPI Yoke	SOS	YK/04	18-10-2025	Dem	agnetiza	tion:	Yes				
Light Equipment	20000	DLM/002	14-07-2025	Mag	netic Flu		Pie gauge (SOS/PiG/01)				
EXAMINED PROD	UCT / SU	RFACE C	ONDITION:	COV	ERAGE	AREA	EXAMINED:				
As Received	Grou	I trail	☐ Wire Brushi	12 12/2012	☑ 100%			fic Location	(Detail) –		
Machined	☐ As V	/elded	Other				а				
After PWHT	☑ Grit I	Blasted	16 miles	eld Joint	17.00						
EXAMINATION ST	AGE:	☐ Initial☐ Interm☐ Final☐	nediate	NON	-EXAMII	NED AR	EA:				
CONSUMABLES DETAILS:		Туре		Batch Nu	atch Number			izing Dire	ction: ght angles to		
White Contrast		Magnavis	WCP-2	240202			each oth	her).			
Black Ink		Magnavis	7HF	240406				14725	4 4		
Fluorescent Ink		<u>-</u>	Callaboration of	Services			Perform	ed in two	directions		
Cleaner		Spotched	k SKC-S	240401							
PICTURE/SKETC	H: ©		O	i							
Item		2	SI. No.	Location		cation /pe	Size in MM	Resul	t Remark		
Capsule	Capsule PN# 308-			Full Body		Mil	Nil	Accepte	ed Accepted		
Examined and Eva (Level-1/II) Signature : Arie Name : Arie	eet -		SINAIS	O.C. 2	)	(Leve	iture : e : Hasar	n munamr			

lss No./Date: 02/01.06.20[3 Rev.No/Rev.Date:03/15.12.2022





### **CAT IV IDECO LR-37.5 ROTARY TABLE**

**REVISION: A1** 

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

Contract/Job No.:	JO-2	5-387		Repor	No.:	JO-2	5-387-3-10	Date:	20-05-20	025		
Customer:	IR&E			Part:	y Allecto		As denote	d below	V.			
Item/Component:		O LR-37.5 SN# 122	Rotary Table- Pa	Thickr	ness:		123					
Material:	Ferro	-magnetic	: material	Surfac	e erature	5	35°C					
Procedure No & Rev.:	PRO	NDE/04, is	sue 4 Rev 8	The Latine	uipmer		☑ YOKE	-	□ COIL			
Acceptance Standard:	AWS	D1.1		Model	#:		1	Magnafie	ld			
Consumable Manufacturer:	Magr	naflux		Lifting Type:	Capac	ity & C	urrent		4.54 Kg & /	AC		
Technique / Method	517 CD	et Non-Fluo		Pole S (3"-8")	:		102	00 mm	r-			
HORSELEN.	L W	et Fluoresc	ent	Light E		nent:	>1076 Lux		UV Lamp	iii .		
Surface Enhancement Contrast:	⊠ 21	thin coats	□ N/A									
EQUIPMENT DETAILS	Equip	oment ID	Cal Due Date	7.55	ng No.:	E.	1778					
MPI Yoke	SOS/	YK/04	18-10-2025	Demag	netiza	tion:	Yes					
Light Equipment	SOS/	DLM/002	14-07-2025		tic Flu		Pie gauge (SOS/PiG/01)					
<b>EXAMINED PROD</b>	UCT / SU	RFACE CO	ONDITION:	COVE	RAGE	AREA	EXAMINED:	9 99	neconordy.			
As Received	Grou	inded	☐ Wire Brushin	Wire Brushing 🛛 100%				Specific Location (Detail) -				
Machined	☐ As W	s Welded Other			Accessi	ble <mark>a</mark> rea	3					
After PWHT	☑ Grit E	Blasted		□We	ld Joint	(s)						
EXAMINATION ST	AGE:	☐ Interm	ediate	2					200			
DETAILS:		Туре	CANONING A					Magnetizing Direction: Two directions (right angles to				
White Contrast		Magnavis		240202				her).				
Black Ink		Magnavis	7HF	240406			Performed in two directions					
Fluorescent Ink		-		-								
Cleaner	201	Spotched	k SKC-S	240401								
PICTURE/SKETC				0	No.							
Item	Item		SI. No.	Location	7077	ation pe	Size in MM	Result	t Ren	nark		
Top Plate	Top Plate P/N : 308-13		: 308-138	Full Body	uli Body Nil		Nil	Accepte	ed Accepted			
Examined and Eval (Level- I / II) Signature : Anes Date : 20-05	ssh		SI SI	C. 2		(Leve	ture: : Hasai	n Munamn	nea			

lss No./Dute: 02/01.06.2013 Rev.No/Rev.Dute: 03/15.12.2022





### **CAT IV IDECO LR-37.5 ROTARY TABLE**

**REVISION: A1** 

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

	: JO-25-387		Report	No.:	JO-2	5-387-3-11	Date:	20-05-2025			
Customer:	IR&E		Part:		100	As denote	d below				
tem/Component:	IDECO LR-37.5 Assy SN# 122	Rotary Table- Part	5 Thickn	ess:		,s	=				
Material:	Ferro-magneti	c material	Surface	The second second		35°C					
Procedure No & Rev.:	PRO/NDE/04, is	ssue 4 Rev 8	MT Eq	uipmer	nt:	☑ YOKE	COIL				
Acceptance Standard:	AWS D1.1		Model	335		<u> </u>	Make: Magnafield				
Consumable Manufacturer:	Magnaflux		Lifting Type:	100000		urrent	4	1.54 Kg & AC			
Technique / Method	Wet Non-Flu     Wet St		Pole Se (3"-8")	a sink key	-64 KF	8	00 mm	V20000000			
0 - 5	☐ Wet Fluores	pent	Light E		nent:	⊠ lamp		UV Lamp			
Surface Enhancement Contrast:	2 thin coats	□ N/A	Dark R Intensi	oom		>1076 Lux N/A					
EQUIPMENT DETAILS	Equipment ID	Cal Due Date	Drawin	_		-					
MPI Yoke	SOS/YK/04	18-10-2025	Demag	netiza	tion:	Yes					
Light Equipment	SOS/DLM/002	14-07-2025	Magne	tic Flu		Pie gauge	(SOS/PiG/0	01)			
EXAMINED PROD	UCT / SURFACE C	ONDITION:	COVE	RAGE	AREA	EXAMINED:	AMINED:				
☐ As Received	Grounded	☐ Wire Brushing	⊠ 100	%		Specific Location (Detail) –					
Machined	As Welded	Other	⊠ All A	Accessi	ble area	3					
After PWHT	Grit Blasted	☐ Grit Blasted ☐ Weld Joint (s) ☐ Initial ☐ NON-EXAMINED A									
STAGE: CONSUMABLES	iate	Batch Num	atch Number			Magnetizing Direction: Two directions (right angles to each other).					
DETAILS:											
White Contrast			240202			eacitos	inerj.				
White Contrast Black Ink	Magnavis 7	-IF	240408			Tarabana na	ed in two d	irections			
White Contrast		lF .				Tarabana na		irections			
White Contrast Black Ink Fluorescent Ink	Magnavis 7	lF .	240406			Tarabana na		rections			
White Contrast Black Ink Fluorescent Ink Cleaner	Magnavis 71  Spotcheck S	KC-S	240406		eation /pe	Tarabana na		Remark			
White Contrast Black Ink Fluorescent Ink Cleaner PICTURE/SKETCH	Magnavis 71  Spotcheck S	i. No.	240408	Ту		Perform Size in	ed in two d	Remark			
White Contrast Black Ink Fluorescent Ink Cleaner PICTURE/SKETCH	Magnavis 7i	i. No.	240408 240401 Location	Ty 1	/pe	Perform Size in MM	ed in two d	Remari i Accepte			
White Contrast Black Ink Fluorescent Ink Cleaner PICTURE/SKETC	Magnavis 7i Spotcheck S H:  PN# PN#	IL No. 308-98-02 308-98-01 308-96-05	240408 240401 Location	Ty t	/pe	Perform  Size in MM  Nil	Result Accepted	Remarii Accepte			

lss No./Date: 02/01.06.2013 Rev.No/Rev.Date: 03/15.12.2022





### **CAT IV IDECO LR-37.5 ROTARY TABLE**

**REVISION: A1** 

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

Contract/Job No.:	JO-25-387		Repor	t No.:	JO-25	-387-3-12 Date: 20-05-2025						
Customer:	IR&E		Part:			As denote	As denoted below					
Item/Component:	IDECO LR-37.5 Assy SN# 122	Rotary Table- Parts	Thick	ness:		201	<u>1</u> 27					
Material:	Ferro-magnetic	material	Surfac	erature:	9	35°C	35°C					
Procedure No & Rev.:	PRO/NDE/04, is	sue 4 Rev 8	Contract of the second	MT Equipment: YOKE								
Acceptance Standard:	AWS D1.1		Model	#:	7	23	- Make: Magnaf					
Consumable Manufacturer:	Magnaflux		Lifting Type:	Capac	ity & Cu	urrent		4.54 Kg & AC				
Technique / Method	Wet Non-Flux     ■ Wet		(3"-8"		-200	2	00 mm					
Station of	☐ Wet Fluoreso	ent		Equipm	ent:		8	UV Lamp				
Surface Enhancement Contrast:	t				>1076 Lux N/A							
EQUIPMENT DETAILS	Equipment ID	Cal Due Date	Drawii	ng No.:								
MPI Yoke	SOS/YK/04	18-10-2025		Demagnetization:								
Light Equipment	SOS/DLM/002	14-07-2025	Magne	tic Flux		Pie gauge (SOS/PiG/01)						
	UCT / SURFACE CO	NOTION:			AREA	EXAMINED:						
As Received	Grounded	☐ Wire Brushing	Control of the Contro			Specific Location (Detail) –						
Machined	☐ As Welded ☐ Other ☒ All Accessible an				ble area	6						
After PWHT	Grit Blasted		□We	d Joint	(s)	- P						
EXAMINATION STAGE:	☐ Initial ☐ Intermedi ☐ Final	ate	NON-EXAMINED AREA				Sept O					
CONSUMABLES DETAILS:	Туре	E	atch Nun	ntch Number			Magnetizing Direction: Two directions (right angles to					
White Contrast	Magnavis W	CP-2 2	10202 10406			each of	each other).					
Black Ink	Magnavis 7F	F 2				Performed in two directions						
Fluorescent Ink	-	-					- enormed in two directions					
Cleaner	Spotcheck S	KC-S 2	40401									
		-7	<u> </u>			,	26					
Item	S	. No.	ocation	Indic Ty	ation pe	Size in MM	Result	Remark				
Latch	PN# 1	038-43B F	ull Body	N	<b>10</b>	Nil	Accepte	d Accepte				
Washer & pin	PN# 1	038-43D F	ull Body	all Body Nil		Nil	Accepte	d Accepte				
Examined and Eva (Level-1/II) Signature : Ane Name : Ane	eesh-	SUPIE	LI SERVICE	No.	Witnes (Level Signat Name	ure :	wed By:	ea				

Iss No /Date 02/01.06.2013 Rev.No/Rev. Date 03/15.12.2022





### **CAT IV IDECO LR-37.5 ROTARY TABLE**

**REVISION: A1** 

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

Contract/Job No.:	JO-25-387		Repor	t No.:	JO-25	5-387-3-13	Date:	20-05-20	)25		
Customer:	IR&E		Part:			As denoted below					
Item/Component:	IDECO LR-37.5 Assy SN# 122	Rotary Table- P.	arts Thickr	ess:		-					
Material:	Ferro-magneti	c material	Surfac	e erature		35°C					
Procedure No & Rev.:	PRO/NDE/04, is	sue 4 Rev 8	1633330	MT Equipment:			✓ YOKE □ COIL Make: Magnafie				
Acceptance Standard:	AWS D1.1		Model								Make: Mag
Consumable Manufacturer:	Magnaflux	flux Lifting Capacity & Current Type:						4.54 Kg & /	AC		
Technique / Method	Wet Non-Flu	trajenoja de de	(3"-8"		1000		00 mm				
A December of	☐ Wet Fluores	ent		Equipm	nent:			UV Lamp			
Surface Enhancement Contrast:	2 thin coats	□ N/A	Dark F Intens	loom		>1076 Lux N/A					
EQUIPMENT DETAILS	Equipment ID	Cal Due Date		ng No.:	d C	-					
MPI Yoke	SOS/YK/04	18-10-2025	Dema	netiza	tion:	Yes					
Light Equipment	SOS/DLM/002	14-07-2025		tic Flu		Pie gauge	ie gauge (SOS/PiG/01)				
<b>EXAMINED PROD</b>	UCT / SURFACE C	ONDITION:	COVE	RAGE	AREA	EXAMINED:					
As Received	Grounded	☐ Wire Brushin	ng 🛛 100	☑ 100%			fic Location	(Detail) -			
Machined	☐ As Welded ☐ Other ☒ All Accessible are				ible area	1					
After PWHT	Grit Blasted		☐ We	ld Joint	(s)	505.00					
EXAMINATION STAGE:	☐ Initial ☐ Intermed ☑ Final	ate	-	ZA INIII	IED AR						
CONSUMABLES DETAILS:	Туре		Batch Nun	atch Number 40202			Magnetizing Direction: Two directions (right angles to				
White Contrast	Magnavis W	CP-2	240202				each other).				
Black Ink	Magnavis 7	·F	240406								
Fluorescent Ink		- 11.50-5075 V	= /	Accessor.			Performed in two directions				
Cleaner	Spotcheck S	KC-S	240401								
PICTURE/SKETCH	t:										
Item	s	l. No.	Location	11,000	ation /pe	Size in MM	Result	Ren	nark		
Lock	PN# 1	0308-43A	Full Body	1	Vii	Nil	Accepte	d Acce	epted		
Examined and Eva (Level-1/II) Signature : Ane: Name : Ane:	ssh	(S)	OF DE	200	Witne (Level Signal Name	ture: : Hasai	n Munamn	nea			

lss No./Date: 02/01.06.2013 Rev.No/Rev.Date: 03/15.12.2022





### **CAT IV IDECO LR-37.5 ROTARY TABLE**

**REVISION: A1** 

MAGNE	TIC P	ARTICLE	EXAMINAT	пом	(MT) REI	POI	RT	SOS / QA / 06						
Contract/Job No.	: JO	-25-387			Report No.:	J	0-25-38	7-3-14	-3-14 Date: 20-05-20					
Customer:	IR	&E			Part:			Full body						
Item/Component		CO LR-37.5 sy SN# 122	Rotary Table- Pa	arts	Thickness:			-						
Material:	Fe	rro-magnetic	material		Surface Temp	pera	ture:	35°C						
Procedure No & Rev.:	PR	O/NDE/04, is		MT Equipmen	nt:		⊠ YC	)KE	□ coir					
Acceptance Standard:	AV	VS D1.1			Model #:			m.	Make	Magnafield				
Consumable Manufacturer:	0,310	gnaflux		Lifting Capac	city &	& Current	Type:	4.54 Kg	g & AC					
Technique /		Wet Non-Flux	- 63	Pole Separati	ion (	3"-8"):	/ (	100 i	nnn					
Method	IXI	Wet Fluoresc		Light Equipm	nent		☐ lamp ☑ UV L							
Surface		***************************************		Light level:			>1176 µW/cm2							
Enhancement Contrast:		2 thin coats	⊠ N/A		Dark Room Ir	sity:	<= 2fc							
EQUIPMENT DETAILS	Eq	uipment ID	Cal Due Date	e	Drawing No.:									
MPI Yoke	SC	S/YK/04	18-10-2025		Demagnetiza		Yes							
Light Equipment	SO	S/DLM/002	14-07-2025		Magnetic Flux Indicator:			Pie gauge (SOS/PiG/01)						
EXAMINED PROD	_			-	COVERAGE / AREA EXAM			MINED:						
As Received	G	rounded	☐ Wire Brushir	ng	☑ 100%			Specific Location (Detail) –						
Machined	☐ As	Welded	Other		All Accessi	ible a	area							
After PWHT	⊠ G	rit Blasted			☐ Weld Joint	(s)								
EXAMINATION STAGE:		☐ Initial ☐ Intermed	liate		NON-EXAMIN	NED	AREA:	4						
CONSUMABLES DETAILS:		Туре		Batch	Number					irection: (right angles to				
White Contrast		<u> </u>		2				each	other).					
Black Ink		90		140				Porfo	mad in h	vo directions				
								reno	med in te	vo directions				
Cleaner		Spotcheck S	SKC-S	22110	04									
Fluorescent Ink Cleaner PICTURE/SKETC	н:	Magnaglo 1 Spotcheck 5		23050 22110				Perto	med in ty	wo directions				

Indication Size in SI. No. Location Result Item Remark Type Pinion Gear PN# 305-95-02 Full body Nil Nil Accepted Accepted

Examined and Evaluated By: (Level- I / II)

Date

Signature : : Aneesh Name

: 20-05-2025

Witnessed / Reviewed By: (Level- II)

Signature : Name : Hasan Muhammed

: 20-05-2025 Date

lss.No./Dute: 02/01.06.2013 Rev.No/Rev.Dute: 03/15.12.2022

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### **CAT IV IDECO LR-37.5 ROTARY TABLE**

**REVISION: A1** 

505			Spec	cialis	t Oilfi	eld S	ervic	es K.S.	С				
MAGNET	IC PARTI	CLE	EXAMINA	ATIO	N (MT	REF	ORT			SOS/O	QA	/ 06	
Contract/Job No.:	JO-25-38	7		- 8	Report	No.:	JO-2	5-387-3-1	15	Date:	20	-05-2025	
Customer:	IR&E			- B	Part:		76	F	ull be	ody			
Item/Component:	IDECO LR Assy SN#		Rotary Table-	Parts	Thickne	ess:		-					
Material:	Ferro-ma		Surface Temperature:			: 35	5°C						
Procedure No & Rev.:	PROMDE	/04, iss	ue 4 Rev 8	MT Equipment:					⊠ YOKE			COIL	
Acceptance Standard:	AWS D1.1	4		Model a	<b>#</b> :		12		Make	Ma	gnafield		
Consumable Manufacturer:	Magnaflu:	X		- 8	Lifting	Capac	ity & Cu	rrent Typ	e:	4.54 Kg	& A	ic.	
Technique /	☐ Wet No	n-Fluo	rescent		Pole Se	parati	on (3"-8	3"):		100 m	m		
Method	☑ Wet Flu	inner	ant		Light E	quipm	ent:		lam	тр	0	UV Lamp	
Surface	Z WELLING	101630	30,000,000		Light le	vel:	and the same of th	- 3	>117	6 µW/cm2	2	- Part Control	
Enhancement Contrast:	2 thin c	oats	⊠ N/A		Dark Room Intensity:				= 2fc				
EQUIPMENT DETAILS	Equipmen	it ID	Cal Due Da	ate	Drawing No.:				2				
MPI Yoke	SOSYK/D	4	18-10-2025	5	Demagnetization:				Yes				
Light Equipment	SOS/DLM/	002	14-07-2025	5	Magnet	ic Flux	k Indica	tor: Pi	ie ga	uge (SO	S/Pi	G/01)	
EXAMINED PROD							AREA E	EXAMINE					
As Received	Grounded		☐ Wire Brus	hing	☑ 100%				Spe	cific Locati	on (I	Jetail) –	
Machined	As Welde	d	Other	- 9									
After PWHT	☑ Grit Blaste	ed			☐ Weld	d Joint	(s)						
EXAMINATION STAGE:	☐ Init	ermedi	ate	0-0-0	NON-E	XAMIN	ED ARE	EA:					
CONSUMABLES DETAILS:	Туре			Bat	tch Number				Magnetizing Direction: Two directions (right angles to				
White Contrast	[19			) (#P)						each other).			
Black Ink		and a feet and		-	0.00			— Р	erfon	med in tw	n di	rections	
Fluorescent Ink	22.00.00	aglo 14		_	503			- 6	Performed in two directions				
Cleaner PICTURE/SKETCH		heck S	NO-3	221	104		93						
Item	1		SI. No.		cation		cation	Size in	ı.	Result	200	Remark	
Considerable	I. de	1000		8 2000	and the same	- 1)	ype	MM	18:	1000 100 VC		100001-0000-000	
Sprocket I	78	PN	# 308-137	1000	ll body	1	Witne	Nil essed / Rev	view	Accepte ed By:	d	Accepted	
(Level-1/II) Signature: Name: After Date: 20-05	esh		TO THE PARTY OF TH	50.c	2		(Leve	<i>I- II)</i> iture : e : Ha	san	Muhami 2025	med	ı	

lss No /Date: 02/01.06.2013 Rev. No/Rev. Date: 03/15-12.2022





#### **CAT IV IDECO LR-37.5 ROTARY TABLE**

**REVISION: A1** 

#### Specialist Oilfield Services K.S.C MAGNETIC PARTICLE EXAMINATION (MT) REPORT SOS/OA/06 JO-25-387 JO-25-387-3-16 Date: 20-05-2025 Contract/Job No.: Report No.: Customer: IR&E Part: Full body IDECO LR-37.5 Rotary Table- Parts Thickness: Item/Component: Assy SN# 122 Material: Surface Temperature: 35°C Ferro-magnetic material Procedure No & PRO/NDE/04, issue 4 Rev 8 MT Equipment: X YOKE COIL Rev.: Acceptance AWS D1.1 Model #: Magnafield Standard: Consumable Magnaflux Lifting Capacity & Current Type: 4.54 Kg & AC Manufacturer: ☐ Wet Non-Fluorescent Pole Separation (3"-8"): 100 mm Technique / Method Light Equipment: ☐ lamp X UV Lamp Wet Fluorescent Surface Light level: >1176 µW/cm2 N/A Enhancement 2 thin coats Dark Room Intensity: <= 2fc Contrast: EQUIPMENT Equipment ID Cal Due Date Drawing No.: DETAILS SOS/YK/04 18-10-2025 Yes MPI Yoke Demagnetization: Light Equipment SOS/DLM/002 14-07-2025 Magnetic Flux Indicator: Pie gauge (SOS/PiG/01) EXAMINED PRODUCT / SURFACE CONDITION: COVERAGE / AREA EXAMINED: Specific Location (Detail) -■ Wire Brushing As Received Grounded X 100% Machined As Welded Other All Accessible area After PWHT ☑ Grit Blasted ☐ Weld Joint (s) Initial NON-EXAMINED AREA: EXAMINATION Intermediate STAGE: X Final CONSUMABLES Magnetizing Direction: Batch Number Type DETAILS: Two directions (right angles to each other). White Contrast Black Ink Performed in two directions Fluorescent Ink Magnaglo 14HF 230503 Spotcheck SKC-S 221104 Cleaner PICTURE/SKETCH: Indication Size in SI No. ltem: Location Result Remark Type Sprocket Full body Nil Nil Accepted Accepted Examined and Evaluated By: Witnessed / Reviewed By: (Level-1/II) (Level- II)

lss No /Date: 02/01.06.2013 Rev.No/Rev.Date: 03/15.12.2022

Signature : [

Name

Date

: Aneesh

: 20-05-2025

Signature :

: Hasan Muhammed

: 20-05-2025

Name





### **CAT IV IDECO LR-37.5 ROTARY TABLE**

**REVISION: A1** 

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

A STATE OF S		INTICLE	EAAMINA	110	()		OILL		3037	A.,	7 00		
Contract/Job No.:	JO-	25-387			Report N	lo.:	JO-2	5-387-3-17	Date:	20	-05-2025		
Customer:	IR8	E			Part:	acourer.	LOSSEE IS	Full		4000	200000000000000000000000000000000000000		
Item/Component:		CO LR-37.5 y SN# 122	Rotary Table- P	arts	Thicknes	55:		-					
Material:	Fen	ro-magnetic	: material		Surface	Temp	erature	: 35°C					
Procedure No & Rev.:	PRO	D/NDE/04, is	sue 4 Rev 8		MT Equi	pmen	t:	×Ν	OKE	8	COIL		
Acceptance Standard:	AW	S D1.1			Model #:	i i		-	Make	gnafield			
Consumable Manufacturer:	Mag	gnaflux			Lifting C	apaci	ty & Cu	rrent Type:	Type: 4.54 Kg & AC				
Technique /		Net Non-Fluo	prescent		Pole Sep	aratio	on (3"-8	17):	100 r	mm			
Method	X V	Net Fluoreso	ent		Light Equipment:			□ la	mp	0	UV Lamp		
Surface	244		00000000000		Light lev	el:		>11	76 µW/cm	2			
Enhancement Contrast:		2 thin coats	⊠ N/A		Dark Room Intensity:			<= 2	fc				
EQUIPMENT DETAILS	Equ	ipment ID	Cal Due Dat	te	Drawing No.:			104					
MPI Yoke	SOS	S/YK/04	18-10-2025		Demagn	etizat	Yes						
Light Equipment		S/DLM/002	14-07-2025		Magnetic	Flux	tor. Pieg	auge (SO	S/Pi	G/01)			
<b>EXAMINED PRODU</b>	JCT / S	URFACE CO					AREA E	XAMINED:	(-)See(), /(		300-20-3-3-1		
As Received	Gro	ounded	Wire Brushi	ing	☑ 100%		□Sp	Specific Location (Detail) -					
Machined	☐ As	Welded	Other		All Ac	cessib							
After PWHT	☑ Gri	t Blasted			□Weld	Joint (	(5)						
EXAMINATION STAGE:		☐ Initial ☐ Intermed ☐ Final	liate		NON-EX			<b>10</b> 000					
CONSUMABLES DETAILS:		Туре		Bato	ch Numbe	r		Magnetizing Direction: Two directions (right angles to					
White Contrast		-		-				each	other).	S Selfice.			
Black Ink		-	- 101	-				Doef					
Fluorescent Ink		Magnaglo 1		2305				renc	Performed in two directions				
Cleaner	1	Spotcheck S	SKC-S	221	104								
PICTURE/SKETCH			3		No.	#							
Item		18 E	SI. No.	Lo	cation		ation pe	Size in MM	Result		Remark		
Pinion sha	Pinion shaft PN# 30		I# 308-139	Ful	ull body Nii		Nil	Accepte	ed	Accepted			
Examined and Evaluation (Level-1/II) Signature: Ariee Date: 20-05	sh		SOLALIST CO.	O.C.	2		(Leve	ture : : Hasa	Muham 5-2025	med	i		

lss No./Date: 62/01.06.2013 Rev.No/Rev.Date: 03/15.12.2022

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### **CAT IV IDECO LR-37.5 ROTARY TABLE**

**REVISION: A1** 

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

Contract/Job No.	JO-25-3	87		Repo	ort No.:	JO-2	5-387-3-18	Date:	20-0	5-2025	
Customer:	IR&E			Part		XC.	Full	body			
Item/Component	IDECO L Assy SN#		Rotary Table- P	arts Thic	Thickness:		-	-			
Material:	Ferro-ma	agnetic	material	Surfa	Surface Temperature:			С			
Procedure No & Rev.:	PRO/ND	E/04, iss	ue 4 Rev 8	MTE	quipmen	t:	⊠.	YOKE		COIL	
Acceptance Standard:	AWS D1.	1		Mode	el #:		72	Make	Magr	nafield	
Consumable Manufacturer:	Magnafl	ux		Liftin	Lifting Capacity & Current			4.54 Kg	& AC		
Technique /	☐ Wet Non-Fluorescent		Pole	Separati	on (3"-6	3"):	100 n	nm			
Method	☑ Wet F	luoresce	nt	Light	Equipm	ent:		amp	$\boxtimes$	UV Lamp	
Surface Enhancement Contrast:	2 thin	2 thin coats N/A		5750 67	level: Room In	tensity		176 µW/cm 2fc	2		
EQUIPMENT DETAILS	Equipme	ent ID	Cal Due Dat	e Draw	ing No.:		-				
MPI Yoke	SOS/YK/	04	18-10-2025	Dem	agnetizat	ion:	Yes	ii i			
Light Equipment	SOS/DLN	M/002	14-07-2025	Magi	netic Flux	Indica	tor: Pie	gauge (SO	S/PiG/	01)	
EXAMINED PROD	UCT / SURF	ACE CO	NDITION:			AREA I	EXAMINED:		ourses	over.	
As Received	Grounde	d	☐ Wire Brushi	ing 🛛 10	00%	115-10-10		pecific Locat	on (De	tail) –	
Machined	As Weld	ed	Other	⊠ A	All Accessible area						
After PWHT	☑ Grit Blas	ted		□w	eld Joint	(s)					
EXAMINATION STAGE: CONSUMABLES	□ ln ⊠ F		mediate I		-		Luci	4: D		1240	
DETAILS:	Туре	9		Batch Nur	tch Number			Magnetizing Direction: Two directions (right angles to			
White Contrast	125						ead	h other).			
Black Ink	-				0500		Per	formed in tw	n dire	rtions	
Fluorescent Ink				230503				onned in the	o dire	outer 15	
Cleaner	20.00	check S	KC-S	221104			-				
PICTURE/SKETC					B			200			
Item	K I		SI. No.	Location	7,04045	ation pe	Size in MM	Result		Remark	
Oil Seal R	ace	PN# B	MT-1001-895	Full body	1	lil	Nil	Accepte	d A	Accepted	
Pinion key		PN#	SKK-070	Full body	1	lil	Nil	Accepte	ed A	Accepted	
Master Bushing		-	Full body	1	lil .	Nil	Accepte	ed A	ccepted		
Examined and Eva (Level-1/II) Signature : And Name : And Date : 20-0	esh		SINTIE	O.C. 2	200	(Leve	ituré : Hasi	an Muham 05-2025	med		

lss.No./Date: 02/01.06.2013 Rev.No/Rev.Date: 03/15.12.2022





### **CAT IV IDECO LR-37.5 ROTARY TABLE**

**REVISION: A1** 

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

Contract/Job No.:	JO-2	5-387		Repo	ort No.:	JO-25-3	387-3-19	Date:	25-08-2025		
Customer:	tomer: IR&E		Part	Part:		As denoted below					
tem/Component:		O LR-37.5 SN# 122	Rotary Table- 1	Parts Thic	kness:	2	-				
Material:	Ferro	-magnetic	material	2000	Surface Temperature:		35°C				
Procedure No & Rev.:	PRO	PRO/NDE/04, issue 4 Rev 8		C30/100	Equipment:		YOKE		COIL		
Acceptance Standard:	AWS	WS D1.1		Mod	el #:		-	Make:	Magnafield		
Consumable Manufacturer:	Magr	naflux		200 0000	Lifting Capacity & Curre Type:		rent		4.54 Kg & AC		
Technique / Method		et Non-Fluo		(3"-8			-	00 mm	Control Control		
Surface	□ W	et Fluoreso	ent	-	t Equipme t level:		≥ 1076 Lux		UV Lamp		
Enhancement Contrast:	⊠ 21	thin coats	□ N/A	Dark	Room	19.0	W/A				
EQUIPMENT DETAILS	Equip	oment ID	Cal Due Da	A 17 (17 (17 (17 (17 (17 (17 (17 (17 (17	ving No.:		26.				
MPI Yoke	SOS/	YK/04	18-10-2025		agnetizat		Yes				
Light Equipment	SOS/	DLM/003	24-09-2025		netic Flux ator:	1	Pie gauge	(SOS/PiG/	01)		
EXAMINED PROD	UCT / SU	IRFACE CO	ONDITION:	COV	ERAGE /	AREA EX	(AMINED:				
As Received	Grou	inded	☐ Wire Brush	ning 🛛 1	☑ 100%			Specific Location (Detail) –			
Machined	☐ As W	Welded Other		⊠A	All Accessible area						
After PWHT	☑ Grit I	Blasted	5	100	eld Joint	•	70				
EXAMINATION ST	AGE:	☐ Interm	ediate	:=- 3			100				
CONSUMABLES DETAILS:	√.	Туре		Batch No	tch Number			Magnetizing Direction: Two directions (right angles to			
White Contrast	- 2	Magnavis WCP-2 240		240202	0202			each other).			
Black Ink		Magnavis	7HF	240406	0406			Performed in two directions			
Fluorescent Ink		·		-	0.404		renom	ea in two a	irections		
Cleaner		Spotched	k SKC-S	240401	0401						
PICTURE/SKETCH					Dinney						
Item			SI. No.	Location	Indica Ty	55.0	Size in MM	Result	Remark		
Ring Gear		PN#	308-95-01	Full Body	ill Body Nil		Nil	Accepte	d Accepte		
Examined and Eval (Level- I / II) Signature : Ane:	early		181	TELD SEA		Witnesse (Level- I Signatur Name	e: '	wed By:	ea		

lss No./Dute: 02/01.06.2013 Rev.No/Rev.Dute: 03/15.12.2022





#### **CAT IV IDECO LR-37.5 ROTARY TABLE**

**REVISION: A1** 

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

Contract/Job No.:	JO-2	5-387			Report	No.:	JO-2	5-387-3-20	Date:	25-	08-2025	
Customer:	IR&E				Part:		As denoted below					
Item/Component;	IDEC Assy	O LR-37.5 SN# 122	Rotary Table-	Parts	Thickness:		=					
Material:	Ferro	-magnetic	material		Surface Temperature:		35°C					
Procedure No & Rev.:	PRO	NDE/04, is	IDE/04, issue 4 Rev 8		MT Equ	122 (150)		☑ YOKE			OIL	
Acceptance Standard:	AWS	D1.1			Model #	t:		2	Make:	Mag	nafield	
Consumable Manufacturer:	Magi	Magnaflux		Lifting ( Type:		(C-5) (19)-00	urrent		4.54 F	g & AC		
Technique / Method	0.000	et Non-Flu			Pole Se (3"-8"):	- Anneada	MESATI -		00 mm			
Mediod	□ W	et Fluoresc	ent		Light E	quipm	ent:			UVI	Lamp	
Surface	100mm (000)		A00-04-0000-00		Light le			>1076 Lux	2			
Enhancement Contrast:	⊠ 21	thin coats	□ N/A		Dark Ro Intensit			N/A				
EQUIPMENT DETAILS	- 0.00	pment ID	Cal Due Da		Drawing			-				
MPI Yoke	SOS	YK/04	18-10-2025		Demagr			Yes				
Light Equipment	SOS/	DLM/003	24-09-2025		Magnet		X	Pie gauge	(SOS/PiG	(01)		
EXAMINED PROD	UCT / SI	REACE CO	ONDITION:				ARFA	EXAMINED:		0000		
As Received	Grou	0.000	☐ Wire Brush	ning	⊠ 1009	25.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Specific Location (Detail) –		)-		
Machined	☐ As V	Velded	Other		All Accessible area							
After PWHT	☑ Grit I	Blasted			☐ Weld	Joint	(s)					
EXAMINATION ST	AGE:	☐ Initial ☐ Interm ☑ Final	nediate	93	NON-EX	CAMIL	IEU AK	EA:				
CONSUMABLES DETAILS:		Туре	e Ba			atch Number			Magnetizing Direction: Two directions (right angles to			
White Contrast		Magnavis WCP-2 240		0202		each oth		0.000	(1078780			
Black Ink		Magnavis	7HF	240	10406			Performed in two directions				
Fluorescent Ink		_		-								
Cleaner		Spotched	Spotcheck SKC-S 240		0401			- 3				
PICTURE/SKETCH	ŧ											
Item			SI. No.	Loc	cation		ation pe	Size in MM	Result		Remark	
Base PN# 30		# 308-123	Ful	Body	N	IL	NIL	Accepte	ed	Accepted		
Examined and Eva (Level-1/II) Signature : Ane Name : Ane	rest	5	ST ST ST	OF		,	Witne (Leve Signa Name	ture :	n Munamn	nea		

Iss No./Date: 02/01.06.2013 Rev.No/Rev. Date: 03/15.12.2022





#### **CAT IV IDECO LR-37.5 ROTARY TABLE**

**REVISION: A1** 

#### 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 DETAIL	LO:
-----------------	-----

Name : Specialist Oilfield Services K.S.C

Address : P.O.Box: 25495,Safat,13115,

Kuwait.

#### UNIT UNDER TEST (UUT) DETAILS:

#### **CALIBRATION INFORMATION:**

Calibrated

Calibration Laboratory-MAB

Temp. : 20 ± 2 °C

R.H. : < 70%

: 3762/2025 : E 55773 / SOS/DLM/003 Certificate No. **Asset Number** : 25-Mar-2025 **Calibration Date** Description : Lux Meter Next Recommended Due Date: 24-Sep-2025 Manufacturer : Lutron Certificate Issue Date 9-Apr-2025 : LX-100 Model LCM-M-1008 Calibration Procedure : AJ64764 Serial Number Instrument Manual Reference Document : Up to 19990 lux Range

Resolution : Multi

Manufacturer Accuracy : ±5 % of reading

Work Order : CL/708/2025

Condition received : Good
Receipt Date : 25-Mar-2025

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

Condition returned

**Calibration Location** 

**Calibration Condition** 

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

2-2

B.Vijayarengan

DWI 300 Att. 2 Rev. 9 28 Dec 2023

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

ISO 9001 : 2015 Certified by Rureau Veritas ISO/IEC 17025 by A2LA Certificate # 3725.01 Certificate # 3725.02 ص. بـ ۱۲۹۹۸ الصفاۃ ۱۲۰۸۰ دولۂ الکویت هاکف، ۲۲۲۵۲ ۲۲۹ ۲۹۰ ۲۰ ۲۰ ۲۲۲۵۲ ۲۹۰ هاکف، ۲۲۲۲۲۲۱۷ ۲۰ ۲۰ ۲۲۲۲۲۸ د calibration.laboratory@heisco.com سجل تجاری رقم، ۲۰۲۲

www.heisco.com

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**CAT IV IDECO LR-37.5 ROTARY TABLE** 

**REVISION: A1** 

### شركة الصناعات الهندسية التقيلة 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/Fal	
Lux	Lux	Lux	Lux		STEEN CONTRACTOR STATES	
nemac)	0	0.00	0.00	0.00		
	102.0	103.3	-1.3	-1.26		
	504	505.6	-1.6	-0.32		
	1009	1019	-10	-0.98	Pass	
0 to 4952	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

DWI 300 Att. 2 Rev. 9 28 Dec 2023

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 ---

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De 5

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### **CAT IV IDECO LR-37.5 ROTARY TABLE**

**REVISION: A1** 

sof		SPE	ECIALIST OI	L FIELD SERVICES	3		
	IN-	HOUSE CALIB	RATION CERT	IFICATE			SOS / QA / 16
					CERT. NO.		YK/05/21042025
					CAL. DATE		21-Apr-2025
		3			CAL, DUE	DATE	18-Oct-2025
quipment I.D.:		SOS/YK/05		Customer Name:		SOS - Interna	ı
Manufacturer:		Magnaflux		Model No :		Y-2	
'ype of Machine/ Eq	uipment	MPI YOKE		Made/Make:	34	USA	
Orive / Range:		230 VAC / 50-	60 Hz	Serial No./ Locati	ion:	E5012 / Gaug	e Room
Resolution:		NA		Physical Condition	on:	Good	
Reference Procedur	e:	PRO/NDE/04	Issue 05	Revision Status;	Revision Status:		
			CALIBR	ATION DATA			
SI.NO	Pole spacing		Welght (Kg)		Enhan	cement Coating	Remarks
1	100/150mm			4.679	Applie	d Two Coalings	Accepted
							Ambient Temperature; 22.1 Relative Humidity; 31.8
		MASTER EQ	JIPMENT TRACE	ABILITY			
. Eq	uipment I.D. No.	Desc	ription	Range	Callbi	ration Due Date	Calibration Certificate No.
×	SOS/YCB/01	МР	Block	4.679 Kg	1	4-Jan-2026	850/2025
C	AL/SOS/HM/002	Humic	lity Meter	-5°C - 50°C, 1 - 100% RH	4	1-Aug-2025	10781/2024
Calibrated By:			N. YELL	Certified by:			2-1
Name:	Praveen Kumar S	1	7 0	Name:	Hareesh Ba		
Signature:	9. June	C	/cnc	Signature:		flin	
Date:	21 Apr-25	/2	/ ment	Date:	21-Apr-25	/	
fss.No./Date: 02/01,06.2013	020	10	21 Q.C.	2/2/			





**CAT IV IDECO LR-37.5 ROTARY TABLE** 

**REVISION: A1** 



شركة الاختصاصيون لخدمات حقول النفط سرماس 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

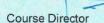
12/12/2022

Valid Till

12/12/2025

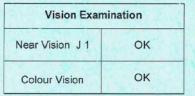
#### **Examination Results**

Туре	Minimum Marks %	Marks obtained
General	70	32.0
Specific	70	90.0
Practical	80	88.0
Averages	80	86.6



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

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**CAT IV IDECO LR-37.5 ROTARY TABLE** 

**REVISION: A1** 



شركة الاختصاصيون لخدمات حقول النفط على م. 4. م. 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 : <u>7 years</u>

Method : <u>Liquid Penetrant Testing</u>

Level : II (Visible Only)

Training Hours : 24 Hours

Certificate No. : SOS/PT/02/2020

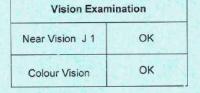
Initial Certification Date : 16/02/2020

Deployment Date : 16/02/2020

Valid Till : 15/02/2023

Examination Results

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





Venkatachalam Govindan Quality, HSE Manager / MR S.S. MURUGAN
ASNT LEVEL III
177593
MT, PT, RT UT & VII
Co-coordinator

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

Please see reverse for endorsement

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**CAT IV IDECO LR-37.5 ROTARY TABLE** 

**REVISION: A1** 

#### 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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**CAT IV 37.5 ROTARY TABLE** 

**REVISION: A1** 

#### 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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# JOB NO: JO-25-387

**CAT IV 37.5 ROTARY TABLE** 

**REVISION: A1** 

#### 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**



**Signed: Client Representative** 

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





**CAT IV 37.5 ROTARY TABLE** 

**REVISION: A1** 

#### 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: sossioneskw.com / Fax: 23262982

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**CAT IV 37.5 ROTARY TABLE** 

**REVISION: A1** 

#### 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 Barlad, 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.

Quality Assurance Date

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NOV-QMS-F-67 Rev '03' Dt:21 March 2024



INCO TERMS: FCA JEBEL ALI, Dubai

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

### **CLOSE OUT REPORT JOB NO: JO-25-387**

### **CAT IV 37.5 ROTARY TABLE**

**REVISION: A1** 



Shipper:

NOV PRODUCTS MIDDLE EAST FZE COMMERCIAL INVOICE AND PACKING LIST Date : AUG-13-2025 T+97148838776, F+97148838795 Dubai, UAE

NOV Products Middle East FZE

PO Box: 61490, Jebel Ali Free Zone,

Attn : Bill To: Address: Address: Package Details (No. Weight(Kgs) & Dimension(CMS) UNITED ARAB EMIRATES HAMRIYAH FREE ZONE. PO BOX 42915, INTERNATIONAL RIG AND EQUIPMENT LIMITED UNITED ARAB EMIRATES P.O BOX NO. 61490, JEBEL ALI FREEZONE, TAMOOR SHAHID M: 050-9731850 Attn : Ship To: Address: P.O. BOX: 25495 / SAFAT 13115. SHUAIBA INDUSTRIAL AREA, MINA ABDULLA, PLOT # 94, AREA # SPECIALIST OILFIELD SERVICES K.S.C JISHNU R M: +(965) 66159417 KUWAIT. Fax : Phone Importer Code: AE-1004107 Inv. Ref. #: NOV/JA/2473/2025

TOTAL GROSS WEIGHT (APRROX) TOTAL NO. OF PACKAGES TOTAL CIPL VALUE: NUMBER OF PAGES: TOTAL NET WEIGHT (APRROX): 41.00 KGS 35.00 KGS \$ 4,450.13 01 PKG

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimater. SHARIYAR KAZIA SHIPPING LEAD POSITION CONTACT NUMBER 04-8016218 AUG-13-2025 DATE

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), either in their original form or after to the laws of the country of export and country of origin. Diversion contrary to applicable law is prohibited 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

DISCLAIMER: - All ECCN and HTS Classification information received from National Oliwell Varco (NOV) is for informational purposes only and shall not be construed as NOV's representation the correct classifications of all Items prior to export and Buyer shall make its own export licensing determinations 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

nov.com

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NOV-QMS-F-67 Rev '03' Dt.21 March 2024



### **CLOSE OUT REPORT JOB NO: JO-25-387**

**CAT IV 37.5 ROTARY TABLE** 

**REVISION: A1** 



COMMERCIAL INVOICE AND PACKING LIST

Y
Rig
logies

SU	Third Party Rig Stock/Inventory	3021082789925	BEARING	IB443	23/7	NC/613/849	649908	0001	340672
000	Rig	Import Reference	ItemDescription	Qty Item Number	Qty	Po	Line Pack List	Line	so



HTSCode NetWgt	NetWgt	Package No.	Unit Price	Ext. Price
84823000	35.00	-	4,450.13	4,450.13

US-EAR99

ECCN

NOV Products Middle East FZE PO Box: 61490, JAFZA Dubai, UAE T+97148838776 F+97148838795

moo.von

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**CAT IV 37.5 ROTARY TABLE** 

**REVISION: A1** 



NOV Products Middle East FZE Bidg ZK & Sons General Trading FZCO Plot # S60906, JAFZA, South AL # S60906, JAFZA, South Dubal, P. O Box: 61490, UAE VAT Reg #: 100559942600003

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

Certificate of Conformity

### **Packing Slip**

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

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	Ship Date	14-AUG-2025
Sales Rep	SHAFI MUHAMMED	Carrier	CUSTOME	ER COLLECT	
Ref/Rig Name	Third Party Rig Stock/Inventory	Ship Complete			
Sales Order	340672	Reference BOL			
Ultimate Dest	Kuwait				

Ship 7

Ulun	ate Dest	Kuwait			
Deta			111-2		
Line	Item Descr	iption	UM	Qty Ord	Ship Qty
0001	IB443		EA	1.0000	1.0000
	BEARING				
	Alternate Iten	n: 10274679-001			
	Country of Or	rigin: UNITED STATES OF AME	RICA		
	Harmonized 7	Tariff Schedule Code: 84823000	0000		
	Export Contro	ol Classification Number: US-EA	R99		
	warranty regarded sole risk and classifications determination.  In the event of cost to NOV to the sole regarded t	purposes only and shall not be of arding the proper classification. Use without recourse to NOV. The Es of all items prior to export and less.  of a change in tax law, tax treaty, to manufacture and supply its Go a price adjustment.	Use of such classification User is responsible for Buyer shall make its over trade agreement or ta	on information is at the Buyer determining the correct vn export licensing	a a
		Authorized Signature Received By (Printed Name) Date	TO WE HAVE BRABILATA	iyas MIDDLE EAST-FZE	Gross Weight Car Seal Pro
End of	Packing Slip: 6499	08			All items INVOICED by Packing Slip.
_					

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**CAT IV 37.5 ROTARY TABLE** 

**REVISION: A1** 



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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**CAT IV 37.5 ROTARY TABLE** 

**REVISION: A1** 

#### 4.7 Punch List

**Not Applicable** 

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**CAT IV 37.5 ROTARY TABLE** 

**REVISION: A1** 

#### 4.8 Customer Feedback

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