



Test and Inspection Plan

Customer : NIS Jugopetrol

Purchaser's order no. : 448/02

Item : GB-302C

Supplier : Neuman & Esser Germany

NEAD-order no. : 800464

NEA-compr. No : 100656

Compressor type : 1 TZL 300

Document No. : QC-800463B

Site Location : Pancevo / Jugoslawien

Part B : equipment

Erstellt: Knops E.	Datum: 09.12.2002	Rev.1:	Zeichnungs-Nr. / drawing-no.	Rev.
Geprüft:	Datum:	Rev.2:	QC-800463/B	0
Genehmigt:	Datum:	Rev.3:		

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NIS Jugoipetrol

448/02

Type: **1 TZL 300**

NEAD Compressor No.: 800463

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Date		03.12.2002						
Name		Knops E.						
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P.O. No.: 448/02														
No.	Dwg.No. or Stock No.	Material (Quantity)	Description of activity	Resp. pers.	Specification	Acceptance Criteria	EN 10204	Verification						
								NEA	O K	Client K	O K	3 rd. Party	O K	R E V
B1.	Oil Pump with Motor P2 / PM2	MS= Rickmeier (1) GGG40												
1.1			material certificate	MS			2.1/2.2	RD		RD				
1.2			PTB-Certificate of Motor			EExdeIICT4 380V- 420V/3PH/ 50Hz n/ IP55		RD		RD				
1.3			Test certificate of mechanical test run in NEAD work shop					RD		RD				
B2.	Temperature Valve TCV350	MS=Amot (1)												
2.1			material certificate	MS			2.1/ 2.2	RD		RD				

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B3.	Pressure Control Valve PCV354	MS=Kraht (1)				Set pressure 3,0 bar g								
3.1			material certificate	MS			2.1/ 2.2	RD		RD				
B4.	Valves V800/ V801 V803/ V807	(2)												
4.1			material certificate	MS			2.1/ 2.2	RD		RD				
4.2			pressure test	MS	AD rules	min: 15,0 bar g 30 minutes	2.1/ 2.2	RD		RD				

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								NEA	O	Client	O	3 rd. Party	O	R
								K		K		K	K	E
														V
B7.	Oil Cooler W	1.5471 (1)				TEMA C BEW or BES								
7.1			documentation	MS	drawing list			RD		---				
7.2			material certificate	MS			3.1B	RD		RD				
7.3			pressure test	MS	AD rules	15 bar g	3.1B	RD		RD				
B8.	Double Oil Filter F1/ F2	Body: GGG40 Internals: SS (1)				ASME VIII TEMA C BEW								
8.1			documentation	MS	drawing list			RD		---				
8.2			material certificate	MS			3.1B	RD		RD				
8.3			pressure test	MS	AD rules	15 bar g	3.1B	RD		RD				

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								NEA	O K	Client	O K	3 rd. Party	O K	R E V
B9.	Connecting Oil Piping Compressor/ Skid	CS/SS (1)												
9.1	Bestellno.: Arma Schr Fitt		material certificate	MS			3.1B	RD		RD				
9.2			pressure test (on site)	NIS		15,0 bar g / 30 minutes	3.1BN	RD		RD				

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							NEA	O	K	Client	O	K	3 rd. Party	O	K	R	E	V

B11.	1. St. Discharge Pulsation Dampers B2 Bestellno.: 124201	MS= Technologica C.S. (1)	Design Pressure Design Temperature Test Pressure Working Pressure Working Temperature		ASME VIII U-Stamp	41,0 bar g 180 °C 54 bar g 37,2 bar g 133 °C												
11.1			documentation	MS	drawing and part list			RD										
11.2			pressure test	MS		54 bar g / 30 minutes		RD										HP/ WP
11.3			tests & inspections	MS				HP		-								
11.4			material certificate	MS				RD										
11.5			Paint specification thickness	MS				RI										

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								NEA	O	Client	O	3 rd. Party	O	R
								K	K		K		K	E
														V
B12.	PRESSURE SAFETY VALVES PSV350 Bestellno.:	MS= Bopp & Reuther (1)				AD-Merkblatt								
12.1			material certificate of safety valves	MS			3.1B	RD		RD				
12.2			pressure tests of safety valves and	MS		Test pressure	3.1B	RD		RD				
12.3			set pressure certificate	MS		Set pressure 40,8 bar g	3.1A	RD		RD		WP/HP		

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B13.	INTERCON NECTING GAS PIPING	C.S. (1)	Design Pressure SS/ DS Test Pressure		AD-Merkblatt	12/ 33 bar g 120 / 180 °C 18/ 49,5 bar g							
13.1	Pipework	C.S. (1)	parts list	NEAD				RD		RD			
13.2	Bestellno.: Schr Schr Fitt		material certificate	MS			3.1B	RD		RD			
13.3			X-ray (NIS scope of supply)			10%		RD		RD			
13.4			Test pressure (NIS scope of supply) SS = Suction Side DS = Discharge Side	MS	1.Stage SS 2.Stage DS	xx bar g xx bar g 30 minutes		RD		RD			
13.5	Check valve Bestellno.:	MS= Hoerbiger (1)	material certificate	MS			3.1B	RD		RD			

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