

	DEHDASHT PETROCHEMICAL INDUSTRY COMPANY DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT		
Contract No.: DPIC/98-12	DOCUMENT TITLE: Inspection and Test Plan for Compressor	POI: IFA	Rev.: D1
	DOCUMENT No: DPIC9812-000-VD-1002-ME-ITP-0009	Sheet 1 of 3	

Inspection and Test Plan for Compressor

PURCHASER'S COMMENT/APPROVAL STATUS						Purchaser: NARGAN Requisition No.: DPIC98-12-001-000-ME-MR-4150-0001-D1 Item No. (Tag No.): PK-6101 Vendor Doc. No.: DPIC9812-000-VD-1002-ME-ITP-0009
1	AP: Approved (Released for Manufacturing)					
2	AN: Approved With Minor Comments (Fabrication may Proceed)					
3	NF: Approved With Comments (Fabrication not Proceed)					
4	RJ: Rejected					
5	NR: Not be Returned					
Date: XX.XX.XX Signature:						
						
D1	26-Feb-22	IFA	Sakaguchi	kato	M.Malekinia	
D0	23-Oct-21	IFA	Sakaguchi	kato	M.Malekinia	
REV.	DATE ISSUE	Purpose of Issue	PREPARED	CHECKED	APPROVED	



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Inspection and Test Plan for Compressor



PROJECT : DEHDASHT PETROCHEMICAL INDUSTRY COMPANY DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT

Model No.: PPN320LUD-ME

Manufacturer : MAYEKAWA MFG. CO., LTD

REV	Date	Design by	Appv'd by	Description
1	Fed 23 2022	M	ME	Per Client Comments

Description	REFRIGERANT COMPRESSOR	TAG N°	-	Manufacturer	MAYEKAWA MFG. CO., LTD.	Document N°	-
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No.	Inspection Description	Applicable	Applicable Documents	Acceptance Criteria	Verifying Reports/ Certificates	Control points			date
						MYC		CMP	
01	Material Identification (Pressure Casings & Rotors) Chemical & Physical Analysis, Heat Treatment	Yes	Material Test Report for Rotor DOC No. SCSD-002-04 included in Screw Compressor Standard Test Procedure SO-2200011-00135 Material Test Report for Casing DOC No. SCSD-004-04 included in Screw Compressor Standard Test Procedure SO-2200011-00135 Material Equivalency DOC No. SCSD-000-00 included in Screw Compressor Standard Test Procedure SO-2200011-00135	For Casing: JIS G5152, SCPL1 Rotor: JIS G3221, SFCM930S Material Test Certificate to included physical and chemical composition equivalent to EN10204. 3.1	Material certificates	R		R	
02	NDE (Pressure Casings & Rotors)	Yes	Nondestructive Examination (MT, UT, and PT) for Rotors DOC No. SCSD-003-04 included in Screw Compressor Standard Test Procedure SO-2200011-00135 NDE for Casing <u>Penetrant Test</u> DOC No. SCSD-006-03 included in Screw Compressor Standard Test Procedure SO-2200011-00135	For Rotor: MT, UT, PT For Casing: PT	Mycom Standard Report	R		R	
03	Dynamic Balancing Test (Rotors)	Yes	Screw Rotor Dynamic Balance Test DOC No. SCSD-007-08 included in Screw Compressor Standard Test Procedure SO-2200011-00135	Balance Grade per JIS B0905 Class G2.5	Mycom Standard Report	R		R	
04	Hydrostatic Test (Pressure Casings), 30 min.	Yes	Hydrostatic Test DOC No. SCSD-008-02 included in Screw Compressor Standard Test Procedure SO-2200011-00135	No deforming, no leak, nor damage	Mycom Standard Report	R		R	
05	Mechanical Running Test (with Shop Driver, Vibration Probes & Monitors, and Shop Lube Oil System) a) 4-hour mechanical run test after casing, bearing and lube oil temperature stabilize b) Vibration measurement c) Noise level test	Yes	Performance, Mechanical Running, Noise and Vibration Tests DOC No. SCSD-010-10 included in Screw Compressor Standard Test Procedure SO-2200011-00135	Approval of procedure a) Stable readings b) V, H, and A allowable amplitude and Velocity (RMS) are < 20 mm and 8 mm/s respectively c) Noise level < 98 dBA	Mycom Standard Report	R		R	
06	Performance Test a) Capacity measurement b) Break horsepower measurement	Yes	Performance, Mechanical Running, Noise and Vibration Tests DOC No. SCSD-010-10 included in Screw Compressor Standard Test Procedure SO-2200011-00135	Approval of procedure Full Load with zero (-) Tolerance BkW < 104%	Mycom Standard Report	R		R	
07	Pneumatic Test (Pressure Casings), Air, 30 min.	Yes	Gas Leak Test DOC No. SCSD-009-02 included in Screw Compressor Standard Test Procedure SO-2200011-00135	No bubbled (no leak)	Mycom Standard Report	R		R	
08	Dismantling Inspection	No	Dismantling Inspection DOC No. SCSD-016-01 included in Screw Compressor Standard Test Procedure SO-2200011-00135	No Internal Damages	Mycom Standard Report	R		R	
09	Paint Preparation & Painting Inspection	Yes	Painting DOC No. SCSD-017-05 included in Screw Compressor Standard Test Procedure SO-2200011-00135	Check DFT at different location	Mycom Standard Report	R		R	
10	Dimensional Check	Yes	Appearance and Dimensional Test DOC No. SCSD-018-02 included in Screw Compressor Standard Test Procedure SO-2200011-00135	General Arrangement Drawing SO2200011-00105 (Japan Doc No. _____)	Mycom Standard Report	R		R	
10	Shipment Check	Yes	Shipment Check DOC No. SCSD-018-01 included in Screw Compressor Standard Test Procedure SO-2200011-00135	Confirm Compliance	Mycom Standard Report	R		R	

LEGEND

W = WITNESS POINT R = DOC. REVIEW MYC = MAYEKAWA CMP = USER / 3rd party inspector
H = HOLD POINT N/A = Not Applicable