

STATUTORY INSPECTION REPORT

PRESSURE VESSEL - VERTICAL RECEIVER

Owner's Plant No: HE BP - 01

Inspection Date: 05/10/2020

Job No: 8121

Vessel Serial No: 18-295

Owner: Hughes Engineering

Manufacturer: KWB Engineering

Site: 8 Keogh Way, Kalgoorlie

Manufacture Date: 13/06/2018

Location: Hughes Engineering Workshop

Description: Blast Pot

Site Contact: Nic Hughes

Design Reg No: V9920374

Individual Reg No: WP81823

Design Pressure (P): 1 MPa

Volume (V): 140 L

Contents: NHG

Design Temp: 60 °C

Hazard Level: C

Inspector's Name: Mohammed Ahmed

Inspector's Signature:

Report QA Checked By: John Luna

Report QA Signature:



Next External Inspection due: 05/10/2022

(AS/NZS 3788:2006, Table 4.1)

Next Internal Inspection due: 05/10/2024

(AS/NZS 3788:2006, Table 4.1)

Next Statutory Inspection due on or before: 05/10/2023

(MSIR 1995 - Regulation 6.40, Schedule 3)

I have inspected this Pressure Vessel in accordance with Regulation 6.40(1) and Regulation 6.26(1) of the Mines Safety and Inspection Regulations 1995, Regulation 4.28 and Regulation 4.43(1) of the Occupational Safety & Health Regulations 1996 and sections of AS/NZS 3788:2006 and assessed that it is suitable for continued operation. The following Non-Compliance(s) need to be rectified:-

Non-Compliance(s):

Nil.

Recommendation(s):

Nil.

Inspection Note(s):

1. Serial Number on the PRV tag (3307.15) does not match on the PRV Test Certificate document. Please make sure to rectify the PRV tag to match the serial number in the report (3307.14).

EXTERNAL INSPECTION	C	DNC	NA/NI	DOCUMENTATION	C	DNC	NA/NI
Mechanical Damage	✓			Manufacturer's Data Report	✓		
Protective Coating	✓			Hydrostatic Test Certificate	✓		
Vessel Supports	✓			Registration Documentation	✓		
Welded Seams & HAZ	✓			PRV Test Certificate	✓		
Inspection Opening & Door	✓			PRESSURE GAUGE	✓		
Branches & Nozzles	✓			Pressure Gauge Range	0 - 1100 kPa		
Connected Pipe Work	✓			RELIEF VALVE	✓		
Drain System: Manual/Automatic	✓			Relief Valve Setting	1000 kPa		
INTERNAL INSPECTION	C	DNC	NA/NI	Relief Valve Size	15 mm		
Ultrasonic Thickness Survey carried out in lieu of Internal Inspection as per AS/NZS 3788:2006 Section 4.4.1.3.				Relief Valve Manufacturer	Conrader		
				Relief Valve Type / Model	SRV390		
				Relief Valve Serial No.	3307.15		
				Relief Valve Flow Rate	TBA		
				Relief Valve Test Date	05/10/2018		

ULTRASONIC THICKNESS READING RESULTS

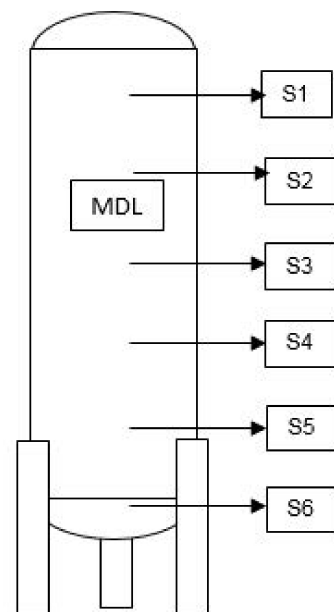
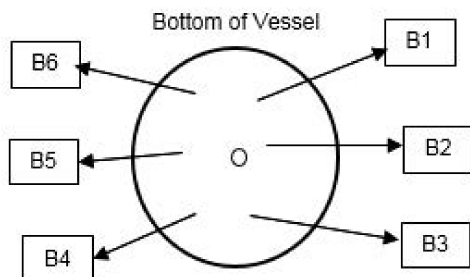
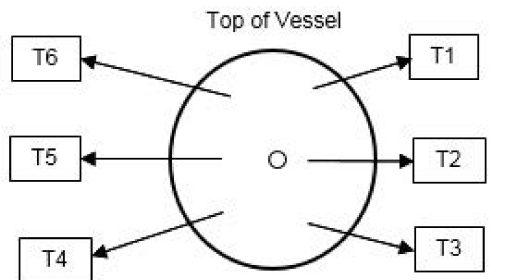
Location - Top		Thickness		Location - Side		Thickness		Location - Bottom		Thickness	
T1	NI	mm		S1	4.96	mm		B1	3.93	mm	
T2	NI	mm		S2	4.93	mm		B2	NI	mm	
T3	NI	mm		S3	4.94	mm		B3	3.88	mm	
T4	NI	mm		S4	4.99	mm		B4	NI	mm	
T5	NI	mm		S5	4.96	mm		B5	3.80	mm	
T6	NI	mm		S6	4.97	mm		B6	NI	mm	

Top Nominal Thickness TBA mm

Side Nominal Thickness 5.00 mm

Bottom Nominal Thickness 4.00 mm

Corrosion Allowance 0.75 mm



PLANT DATA



Overview of Blast Pot HE-BP-01

PLANT DATA



Manufacturers Data Label

PRESSURE GAUGE



Pressure Gauge

Pressure Vessel Inspection Note (1)



PRV Data Plate