

Schedule

Caltex Pte Ltd
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#03-05
Tagore 23 Warehouse
Singapore 787601

Certificate No. : LA-2023-0853-G
Issue No. : 1
Date : 2 January 2024
Expiry of Certificate : 1 January 2028
Page : 1 of 2

FIELD OF TESTING: Mechanical Testing

	MATERIALS / PRODUCTS TESTED	TESTS / PROPERTIES	STANDARD METHODS / TECHNIQUES / EQUIPMENT
A.	SAFETY RELIEF VALVES/PILOT OPERATED SAFETY RELIEF VALVES (IN-HOUSE/IN-SITU)	<ol style="list-style-type: none"> Pop Pressure Test (As Received) Seat Tightness Test Set Pressure Test (Final Test) 	<p>MET01/00/01- JULY 2022 API RP 576 4Th EDITION APR 2017 (Clause 6.2.9.1 &6.2.9.8)</p> <p>API STANDARD 527: 5TH EDITION JUL 2020</p> <p>API RP 576 4Th EDITION APR 2017 (Clause 6.2.9.1 &6.2.9.8)</p>
B.	RUBBER AND PLASTIC HOSES AND HOSE ASSEMBLIES	<p>Deformation Under Pressure Test</p> <ol style="list-style-type: none"> Change In Length At The Specified Pressure Test (Elongation Test) Change In External Diameter At The Specified Pressure Test <p>Hydrostatic Pressure Test</p> <ol style="list-style-type: none"> Proof Pressure Hold Test 	<p>MET04/00/01-JULY 2022 BS EN ISO1402:2021</p> <p>BS EN ISO1402:2021</p> <p>MET04/00/01-JULY 2022</p> <p>BS EN ISO1402:2021</p>
C.	OIL SUCTION AND DISCHARGE SERVICE HOSE AND HOSE ASSEMBLIES	<p>Deformation Under Pressure Test</p> <ol style="list-style-type: none"> Change In Length At The Specified Pressure Test (Elongation Test) Specified Pressure Test (Elongation Test) <p>** (Twisting Test) For Type A</p> <ol style="list-style-type: none"> Hydrostatic Pressure Test (Proof Pressure Hold Test/ Resistance To Vacuum Test) 	<p>MET04/00/01-JULY 2022</p> <p>BS EN 1765:2016 (Annex E)</p> <p>BS EN 1765:2016 ISO 7233:2021-04 (METHOD B)</p>

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Issue No. : 01

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Page : 2 of 2

	MATERIALS / PRODUCTS TESTED	TESTS / PROPERTIES	STANDARD METHODS / TECHNIQUES / EQUIPMENT
D.	LIQUEFIED PETROLEUM GAS, LPG(LIQUID OR GAS PHASE) AND NATURAL GAS UP TO 25 BAR SERVICES	5. Electrical Resistance And Conductivity& Discontinuity	BS EN ISO 8031:2020
		Deformation Under Pressure Test	MET04/00/01-JULY 2022 BS EN 1762:2018
E.	MANIFOLD/ ASSEMBLIES/ COMPONENTS of VESSELS	1. Change In Length At The Specified Pressure Test (Elongation Test)	BS EN ISO1402:2021
		2. Hydrostatic Pressure Test (Proof Pressure Hold Test/)	
		3. Electrical Resistance And Conductivity& Discontinuity	BS EN ISO 8031:2009
		1. Leak Test Under Pressure Test	ASTM E1003-13-2002

Approved Signatories

Mr. V. Siva	- For all items
Mr. Kyaw Moe Shein	- For all items
Mr. Ananthakumar Sivasamy	- For all items
Mr. Premkumar Seeriram	- For all items

Note:

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. A laboratory's fulfilment of the requirements of ISO/IEC 17025:2017 means the laboratory meets both the technical competence requirements and **management system requirements** that are necessary for it to consistently deliver technically valid test results. The **management system requirements** in ISO/IEC 17025:2017 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001.