

Chemical analysis report



Report number	LP26-0231-02 CA
Customer name	Oilfield Traders
Address	36 Howson Way Bibra Lake WA 6163
Requested by	Chris Grainger
Purchase order	24012026
Accredited laboratory	LMATS Perth Laboratory
Job address	36 Howson Way Bibra Lake WA 6163
Activity dates	29/01/2026
Item description	1 x pipe sample
Identification	4. 76mm OD x 10mm thick pipe sample
Material grade	ASTM A790 UNS32750 Type 2507
Test specification	ASTM A790/790M-24
Test method	MTS TP 13.2-Chemical analysis by spark OES
Sampling	Sample supplied by the client
Specimen	Cross section, Ground to P#80 grit using SiC coated abrasives
Equipment	L006017 O.E.S. Portable Spectro Ametek Materials Alysis
Approved tester	Ali Zahid Ramay
Test results	Refer to the table on the following pages

Signatory
Milad (Mohsen) Alvani
(Materials Engineer)

Report issued on 29/01/2026

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Table 1: Chemical analysis results

		Analysis results – Elements (Average %)																		
Item Identification	Specimen Identification	Fe	C	Si	Mn	S	P	Cr	Mo	Cu	V	Ni	Nb	Ti	Al	N	CE	PREN	MAE	Result
76mm OD x 10mm thick pipe sample	LP26-0231-04	≈ Bal	0.03	0.37	0.39	<0.01	0.02	25.41	3.82	0.10	0.06	6.64	0.02	<0.01	0.02	0.24	6.40	38.02	0.33	C
Acceptance criteria for Material Grade: ASTM A790 UNS32750 Type 2507																				
Minimum		N/A	N/A	N/A	N/A	N/A	N/A	24.0	3.0	N/A	N/A	6.0	N/A	N/A	N/A	0.24	N/A	N/A	N/A	
Maximum		N/A	0.030	0.80	1.20	0.020	0.035	26.0	5.0	0.5	N/A	8.0	N/A	N/A	N/A	0.32	N/A	N/A	N/A	

Legends: CE - Carbon Equivalent, PREN - Pitting Resistance Equivalent Number, MAE - Micro Alloying Elements, C (in result col.) - Comply, DNC - Did not comply, RP - Report composition, NA - Not Applicable, P - Passed, F - Failed

Remarks

% Cr + 3.3 x % Mo + 16 x % N: 41.1 (41 min. required)

Normative general notes

1. Test and inspection items may be discarded after 6 weeks, unless alternative arrangements are made with LMATS.
2. Samples, identification of samples and all job specific details were supplied by the client. The test results relate only to the items tested or sampled.
3. Any stated nominal pipe sizes and nominal thickness of the material were provided by the client.
4. Where applicable, the Measurement Uncertainty (MU) applies to the test results as per LMATS procedure. MU can be obtained by contacting one of LMATS ISO 17025 accredited laboratories.
5. Acceptance criteria is applied from the test specification. If the test specification does not include acceptance criteria, then the test or inspection results should be referred to a competent authority for further action.
6. Refer to the attached revision notes if this report has been revised. This report shall not be reproduced except in full without approval of the issuing laboratory to ensure that parts of a report are not taken out of context. The client or their representatives shall not edit this report.
7. LMATS or its professional indemnity insurance provider do not indemnify the contents within this report or the conformity of a tested product unless the invoice for the reported work is paid in full within the agreed credit terms. Reports will be revoked if the invoice for the completed work is not paid in full.

End of this report. The information contained within the subsequent pages (if any), comprises external documents provided by the client.