

- ✓ NDT & Inspection
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- ✓ Mechanical testing
- ✓ Metallurgical services
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- ✓ Pressure plant inspection

Chemical analysis report

Report number	LS25-2139-01 CA
Customer name	Evermil Pty Ltd
Address	281 Princes Hwy Unanderra NSW Australia 2526
Requested by	Keith Sperring
Purchase order	PO-3085
Accredited laboratory	LMATS Melbourne Laboratory
Job address	LMATS Sydney Laboratory
Activity dates	15/08/2025
Item description	Chemical analysis
Identification	Refer to the final reports
Material grade	ASTM A106/A106M-18 Grade B
Test specification	ASTM A106/A106M-19a - Grade B, Client's Requirements - Report Results
Test method	TP-CT-02 (I1,R10)-Chemical analysis - OES
Sampling	Sample supplied by the client
Specimen	Cross section, Ground to P#120 grit using SiC coated abrasives
Equipment	L0554 OES Desktop Ametek LM05
Approved tester	Dhanashree Pawar
Test results	Refer to the table on the following pages



**Accredited for compliance with
ISO / IEC 17025 - Testing**

Signatory
Iman Imanieh



Report issued on 15/08/2025

Table 1: Chemical analysis results

Specimen Identification	Analysis results – Elements (Average %)											Result
	Fe	C	Si	Mn	S	P	Cr	Mo	Cu	V	Ni	
LS25-2139-01	≈ Bal	0.21	0.21	0.39	0.010	0.010	0.03	<0.01	0.01	<0.01	0.01	C
LS25-2139-02	≈ Bal	0.19	0.24	0.39	0.002	0.013	0.04	<0.01	0.01	<0.01	0.01	C
LS25-2139-03	≈ Bal	0.21	0.21	0.39	0.008	0.009	0.03	<0.01	0.01	<0.01	0.01	C
LS25-2139-04	≈ Bal	0.20	0.21	0.40	0.008	0.009	0.03	<0.01	0.01	<0.01	0.01	C
LS25-2139-05	≈ Bal	0.18	0.23	0.39	0.002	0.013	0.04	<0.01	0.01	<0.01	0.01	C
LS25-2139-06	≈ Bal	0.19	0.20	0.39	0.008	0.009	0.03	<0.01	0.01	<0.01	0.01	C
LS25-2139-07	≈ Bal	0.20	0.24	0.56	0.002	0.014	0.19	<0.01	0.01	<0.01	0.03	C
Acceptance criteria for Material Grade: ASTM A106/A106M-18 Grade B												
Minimum	N/A	N/A	0.1	0.29	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Maximum	≈ Bal	0.30	N/A	1.06	0.035	0.035	0.40	0.15	0.40	0.08	0.40	

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

Nil

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.