

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LTM1090-4.2 089274 - Coolant

Sample No: LH0258659

Oil Type: CONVENTIONAL COOLANT



Sample Information

Sample Number	LH0258659	---	---	---
Sample Date	28 May 2024	---	---	---
Machine Hours	20437	---	---	---
Sample Status	SEVERE	---	---	---

LIEBHERR USA CO - MOBILE AND CRAWLER CRANES
 4800 CHESTNUT AVENUE
 NEWPORT NEWS, VA
 US 23607
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Coolant Condition

Boron	ppm	0	---	---	---
Phosphorus	ppm	12	---	---	---
Sodium	ppm	3846	---	---	---
Potassium	ppm	843	---	---	---
Silicon	ppm	75	---	---	---
pH	Scale 0-14	7.84	---	---	---
Reserve Alkalinity	Scale 0-20	---	---	---	---
Molybdenum	ppm	15	---	---	---
Nitrites	ppm	448	---	---	---
Percentage Glycol	%	48.1	---	---	---
Freezing Point	°C	-31	---	---	---

Diagnosis

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. The lead level is severe. There is no indication of any contamination in the coolant. Carboxylate test failed. Glycol and nitrite levels are acceptable. The pH level of this fluid is within the acceptable limits.



Contamination

Magnesium	ppm	18	---	---	---
Calcium	ppm	44	---	---	---
Coolant Appearance		normal	---	---	---
Coolant Color		Pink	---	---	---



Corrosion

Iron	ppm	<1	---	---	---
Aluminum	ppm	<1	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	24	---	---	---
Tin	ppm	<1	---	---	---

Depot: LIENEW
 Unique No: 11063226
 Signed: Jonathan Hester
 Report Date: 11 Jun 2024



Graphs

