

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L538 21072 - Transmission (Manual)

Sample No: LH0187308

Oil Type: {unknown}



Sample Information

Sample Number	LH0187308	---	---	---
Sample Date	21 Jun 2023	---	---	---
Machine Hours	13845	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

CLOUTHIER VENTURES LTD.
 59 MATTHEWS STREET, R.R. # 5
 PEMBROKE, ON
 CA K8A 0A6
 Contact: Travis Bennett
 tbennett@clouthierconst.com
 T: (613)735-6531
 F: (613)735-2769



Oil Condition

Visc @ 40°C	cSt	43.9	---	---	---
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Contamination

Water	%	NEG	---	---	---
Silicon	ppm	36	---	---	---
Sodium	ppm	15	---	---	---
Potassium	ppm	6	---	---	---



Wear Metals

PQ		542	---	---	---
Iron	ppm	1670	---	---	---
Copper	ppm	4	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	9	---	---	---
Chromium	ppm	22	---	---	---
Molybdenum	ppm	5	---	---	---
Nickel	ppm	2	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	20	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	154	---	---	---
Magnesium	ppm	5	---	---	---
Zinc	ppm	112	---	---	---
Phosphorus	ppm	874	---	---	---
Barium	ppm	4	---	---	---
Boron	ppm	37	---	---	---

Diagnosis

The fluid change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. Chromium and iron ppm levels are severe. PQ levels are severe. Gear wear is indicated. The very high ferrous density (PQ) index indicates that severe wear is occurring. There is no indication of any contamination in the fluid. The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: CLOPEM
Unique No: 5604036
Signed: Kevin Marson
Report Date: 29 Jun 2023



Graphs

