

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L538P 063547-1754 - Diesel Engine

Sample No: LH0269550
 Oil Type: NOT GIVEN



HEFLER FOREST PRODUCTS - 4325842 NS LTD.
 230 LUCASVILLE RD.
 LOWER SACKVILLE, NS
 CA B4B 1S1
 Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH0269550	---	---	---
Sample Date	31 Jul 2023	---	---	---
Machine Hours	1175	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	11.5	---	---	---
Oxidation (PA)	%	72	---	---	---

T:
F:



CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	76	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	2	---	---	---
Silicon	ppm	6	---	---	---
Sodium	ppm	5	---	---	---
Potassium	ppm	1	---	---	---

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Light fuel dilution occurring. Fuel is present in the oil and is lowering the viscosity. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	11	---	---	---
Copper	ppm	23	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	78	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	911	---	---	---
Magnesium	ppm	1218	---	---	---
Zinc	ppm	1260	---	---	---
Phosphorus	ppm	1168	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	57	---	---	---

Depot: HEFLOW
 Unique No: 5618423
 Signed: Wes Davis
 Report Date: 02 Aug 2023



GRAPHS

