

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L538P 063547-1754 - Diesel Engine

Sample No: LH0282832

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	LH0282832	LH0269550	---	---
Sample Date	18 Apr 2024	31 Jul 2023	---	---
Machine Hours	1218	1175	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---



Oil Condition

Visc @ 100°C	cSt	11.6	11.5	---	---
Oxidation (PA)	%	73	72	---	---

T:
F:



Contamination

Water	%	NEG	NEG	---	---
Soot %	%	0	0	---	---
Nitration (PA)	%	78	76	---	---
Sulfation (PA)	%	57	57	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	2.2	2	---	---
Silicon	ppm	5	6	---	---
Sodium	ppm	4	5	---	---
Potassium	ppm	1	1	---	---

Diagnosis

Resample at the next service interval to monitor. 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	15	11	---	---
Copper	ppm	23	23	---	---
Lead	ppm	<1	1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	64	78	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



Additives

Calcium	ppm	939	911	---	---
Magnesium	ppm	980	1218	---	---
Zinc	ppm	1107	1260	---	---
Phosphorus	ppm	950	1168	---	---
Barium	ppm	0	0	---	---
Boron	ppm	59	57	---	---

Depot: HEFLOW
Unique No: 5763219
Signed: Wes Davis
Report Date: 22 Apr 2024



Graphs

