

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 145461-1216 - Diesel Engine

Sample No: LH0255604

Oil Type: NOT GIVEN



GENERAL RECYCLING INDUSTRIES LTD.
 4120 - 84 AVENUE
 EDMONTON, AB
 CA T6B 3H3
 Contact: Corey MacKay
 cmackay@trailco.ca
 T: (587)926-1610
 F: (780)485-4294



SAMPLE INFORMATION

Sample Number	LH0255604	LH0255601	---	---
Sample Date	26 Jun 2023	04 May 2023	---	---
Machine Hours	1086	537	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 100°C	cSt	11.3	11.8	---	---
Oxidation (PA)	%	92	200	---	---



CONTAMINATION

Soot %	%	0	0	---	---
Nitration (PA)	%	68	104	---	---
Sulfation (PA)	%	67	109	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	1.7	1.5	---	---
Silicon	ppm	4	8	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	<1	4	---	---



WEAR METALS

Iron	ppm	5	11	---	---
Copper	ppm	101	240	---	---
Lead	ppm	3	8	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	<1	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	54	46	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1058	1317	---	---
Magnesium	ppm	938	924	---	---
Zinc	ppm	1125	876	---	---
Phosphorus	ppm	1004	773	---	---
Barium	ppm	6	30	---	---
Boron	ppm	16	100	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 30 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: GEN156EDM
Unique No: 5629751
Signed: Kevin Marson
Report Date: 21 Aug 2023



GRAPHS

