

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 145461-1216 - Diesel Engine

Sample No: LH0255601
 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	LH0255601	---	---	---
Sample Date	04 May 2023	---	---	---
Machine Hours	537	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

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



CONTAMINATION

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



WEAR METALS

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



ADDITIVES

Calcium	ppm	1317	---	---	---
Magnesium	ppm	924	---	---	---
Zinc	ppm	876	---	---	---
Phosphorus	ppm	773	---	---	---
Barium	ppm	30	---	---	---
Boron	ppm	100	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. 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. Metal levels are typical for a new component breaking in. 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: 5629717
 Signed: Kevin Marson
 Report Date: 21 Aug 2023



GRAPHS

