

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 152978 - Diesel Engine

Sample No: LH0224298

Oil Type: LIEBHERR MOTOROIL 5W30



LIEBHERR CANADA LTD.
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
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SAMPLE INFORMATION

Sample Number	LH0224298	---	---	---
Sample Date	15 Feb 2024	---	---	---
Machine Hours	556	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	● 11.9	---	---	---
Oxidation (PA)	%	188	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	● 0	---	---	---
Nitration (PA)	%	99	---	---	---
Sulfation (PA)	%	102	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	● 8	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● 2	---	---	---



WEAR METALS

Iron	ppm	● 12	---	---	---
Copper	ppm	● 328	---	---	---
Lead	ppm	● 11	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● 4	---	---	---
Chromium	ppm	● 1	---	---	---
Molybdenum	ppm	● 48	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	● 1302	---	---	---
Magnesium	ppm	● 927	---	---	---
Zinc	ppm	● 909	---	---	---
Phosphorus	ppm	● 791	---	---	---
Barium	ppm	29	---	---	---
Boron	ppm	● 76	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIEMIS
 Unique No: 5736625
 Signed: Kevin Marson
 Report Date: 04 Mar 2024



GRAPHS

