

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 117099 - Diesel Engine

Sample No: LH0276162

Oil Type: DIESEL ENGINE OIL SAE 40



LIEBHERR CANADA LTD.
 10374 267 ST.
 ACHESON, AB
 CA T7X 6A2
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SAMPLE INFORMATION

Sample Number	LH0276162	---	---	---
Sample Date	14 Sep 2023	---	---	---
Machine Hours	2563	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	12.7	---	---	---
Oxidation (PA)	%	68	---	---	---



CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	76	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	7	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	2	---	---	---



WEAR METALS

Iron	ppm	5	---	---	---
Copper	ppm	3	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	55	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1118	---	---	---
Magnesium	ppm	937	---	---	---
Zinc	ppm	1191	---	---	---
Phosphorus	ppm	1070	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	2	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.
 All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIESPR
Unique No: 5643804
Signed: Wes Davis
Report Date: 15 Sep 2023



GRAPHS

