

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 077508 - Diesel Engine

Sample No: LH0289774

Oil Type: DIESEL ENGINE OIL SAE 40



J.M. BASTILLE ACIER INC
 396 RUE TEMISCOUATA,, CP 744
 RIVIERE DU LOUP, QC
 CA G5R 3Z3
 Contact: MANAGER SERVICE

T: (418)862-3346
 F:



Sample Information

Sample Number	LH0289774	---	---	---
Sample Date	01 May 2024	---	---	---
Machine Hours	16364	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---



Oil Condition

Visc @ 100°C	cSt	14.7	---	---	---
Oxidation (PA)	%	76	---	---	---



Contamination

Water	%	NEG	---	---	---
Soot %	%	0.6	---	---	---
Nitration (PA)	%	96	---	---	---
Sulfation (PA)	%	65	---	---	---
Glycol	%	0.0	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	9	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	7	---	---	---



Wear Metals

Iron	ppm	35	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	17	---	---	---
Chromium	ppm	1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	2240	---	---	---
Magnesium	ppm	27	---	---	---
Zinc	ppm	1189	---	---	---
Phosphorus	ppm	998	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	95	---	---	---

Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm. Aluminum ppm levels are abnormal. Piston wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: JMBRIV
 Unique No: 5776005
 Signed: Kevin Marson
 Report Date: 13 May 2024



Graphs

