

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 113527-1216 - Diesel Engine

Sample No: LH0290627

Oil Type: PETRO CANADA SUPREME 5W30



LIEBHERR CANADA LTEE
 444 AVENUE DE LA FRICHE
 DOLBEAU-MISTASSINI, QC
 CA G8L 3M7
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Sample Information

Sample Number	LH0290627	LH0274041	LH	---
Sample Date	13 Jun 2024	13 Mar 2024	13 Mar 2023	---
Machine Hours	6512	6512	0	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	N/A	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---



Oil Condition

Visc @ 100°C	cSt	11.7	11.7	12.7	---
Oxidation (PA)	%	86	116	60	---



Contamination

Water	%	NEG	NEG	NEG	---
Soot %	%	0	0	0	---
Nitration (PA)	%	90	112	52	---
Sulfation (PA)	%	63	78	60	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	6	6	17	---
Sodium	ppm	4	4	1	---
Potassium	ppm	<1	3	1	---



Wear Metals

Iron	ppm	6	12	21	---
Copper	ppm	5	15	17	---
Lead	ppm	0	1	3	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	<1	2	4	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	55	62	206	---
Nickel	ppm	0	<1	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	<1	0	---
Manganese	ppm	0	0	<1	---
Vanadium	ppm	0	0	<1	---



Additives

Calcium	ppm	813	931	1826	---
Magnesium	ppm	1104	1074	523	---
Zinc	ppm	1169	1200	793	---
Phosphorus	ppm	977	1008	793	---
Barium	ppm	0	0	0	---
Boron	ppm	23	22	413	---

Diagnosis

Resample at the next service interval to monitor. 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: LBADOL
 Unique No: 5799487
 Signed: Wes Davis
 Report Date: 14 Jun 2024



Graphs

