

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L550 1825-67138 - Diesel Engine

Sample No: LH0262932

Oil Type: LIEBHERR MOTOROIL 5W30



SAMPLE INFORMATION

Sample Number	LH0262932	LHMC126046	---	---
Sample Date	27 Aug 2023	30 May 2023	---	---
Machine Hours	2391	1778	---	---
Oil Hours	0	530	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

O'NEIL CONSTRUCTION

R.R. #1

BOBCAYGON, ON

CA K0M 1A0

Contact: WM O'NEIL



OIL CONDITION

Visc @ 100°C	cSt	11.4	11.0	---	---
Base Number (BN)	mg KOH/g	16.2	15.5	---	---
Oxidation (PA)	%	41	44	---	---

T: (705)738-3687

F: (705)738-5531



CONTAMINATION

Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	98	98	---	---
Sulfation (PA)	%	41	43	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	14	14	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	<1	<1	---	---

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	7	6	---	---
Copper	ppm	3	16	---	---
Lead	ppm	0	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	2	7	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	2	5	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	4179	4492	---	---
Magnesium	ppm	34	43	---	---
Zinc	ppm	1170	1308	---	---
Phosphorus	ppm	1016	1094	---	---
Barium	ppm	0	0	---	---
Boron	ppm	232	245	---	---

Depot: ONEBOB

Unique No: 10700756

Signed: Wes Davis

Report Date: 19 Oct 2023



GRAPHS

