

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 142251-1216 - Diesel Engine

Sample No: LH0203836

Oil Type: NOT GIVEN



LA COMPAGNIE AMERICAINE DE FER ET METAUX
2630 N. BANGOR ROAD
BANGOR, ME
US 04401
Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH0203836	---	---	---
Sample Date	16 Oct 2023	---	---	---
Machine Hours	497	---	---	---
Oil Hours	497	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	12.0	---	---	---
Base Number (BN)	mg KOH/g	4.2	---	---	---
Oxidation (PA)	%	204	---	---	---

T:
F:



CONTAMINATION

Soot %	%	0.1	---	---	---
Nitration (PA)	%	99	---	---	---
Sulfation (PA)	%	109	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	1.1	---	---	---
Silicon	ppm	13	---	---	---
Sodium	ppm	1	---	---	---
Potassium	ppm	4	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Fuel content negligible. 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 acceptable for the time in service.



WEAR METALS

Iron	ppm	10	---	---	---
Copper	ppm	47	---	---	---
Lead	ppm	2	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	4	---	---	---
Chromium	ppm	1	---	---	---
Molybdenum	ppm	48	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	1412	---	---	---
Magnesium	ppm	879	---	---	---
Zinc	ppm	904	---	---	---
Phosphorus	ppm	668	---	---	---
Barium	ppm	31	---	---	---
Boron	ppm	101	---	---	---

Depot: LACBAN
Unique No: 10701753
Signed: Don Baldrige
Report Date: 24 Oct 2023



GRAPHS

