

LIEBHERR

CONSTRUCTION EQUIPMENT



144015-1217 LIEBHERR LH60M 144015-1217 - Diesel Engine

Sample No: LH0220350

Oil Type: {unknown}



ADVANTAGE METALS RECYCLING - ST LOUIS
 5 N MARKET
 ST LOUIS, MO
 US 63102
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 T:
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SAMPLE INFORMATION

Sample Number	LH0220350	---	---	---
Sample Date	23 Oct 2023	---	---	---
Machine Hours	500	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	11.8	---	---	---
Base Number (BN)	mg KOH/g	16.5	---	---	---
Oxidation (PA)	%	49	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	93	---	---	---
Sulfation (PA)	%	44	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	1.3	---	---	---
Silicon	ppm	12	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	4	---	---	---



WEAR METALS

Iron	ppm	5	---	---	---
Copper	ppm	28	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	2	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	4053	---	---	---
Magnesium	ppm	83	---	---	---
Zinc	ppm	1174	---	---	---
Phosphorus	ppm	1036	---	---	---
Barium	ppm	2	---	---	---
Boron	ppm	291	---	---	---

Diagnosis

No corrective action is recommended at this time. 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.

Depot: ADVSTL
 Unique No: 10849356
 Signed: Sean Felton
 Report Date: 31 Jan 2024



GRAPHS

