

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 1216-140094 - Diesel Engine

Sample No: LH06000220

Oil Type: LIEBHERR MOTOROIL 5W30



RECO EQUIPMENT INC.
 1615 JP HENESSY DRIVE
 LAVERGNE, TN
 US 37086
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SAMPLE INFORMATION

Sample Number	LH06000220	---	---	---
Sample Date	27 Oct 2023	---	---	---
Machine Hours	2263	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	11.3	---	---	---
Base Number (BN)	mg KOH/g	8.3	---	---	---
Oxidation (PA)	%	67	---	---	---



CONTAMINATION

Soot %	%	0.1	---	---	---
Nitration (PA)	%	74	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	6	---	---	---
Sodium	ppm	0	---	---	---
Potassium	ppm	2	---	---	---



WEAR METALS

Iron	ppm	4	---	---	---
Copper	ppm	5	---	---	---
Lead	ppm	2	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	62	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1088	---	---	---
Magnesium	ppm	960	---	---	---
Zinc	ppm	1253	---	---	---
Phosphorus	ppm	1130	---	---	---
Barium	ppm	6	---	---	---
Boron	ppm	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 acceptable for the time in service.

Depot: RECLAV
 Unique No: 10728580
 Signed: Sean Felton
 Report Date: 08 Nov 2023



GRAPHS

