

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60 1217-143694 - Diesel Engine

Sample No: LH0276062

Oil Type: LIEBHERR MOTOROIL 5W30



C AND B EQUIPMENT, LLC
 4831 US-42
 GHENT, KY
 US 41045
 Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH0276062	---	---	---
Sample Date	21 Nov 2023	---	---	---
Machine Hours	1960	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	● 11.5	---	---	---
Base Number (BN)	mg KOH/g	● 14.9	---	---	---
Oxidation (PA)	%	51	---	---	---

T:
F:

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.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	● 0.1	---	---	---
Nitration (PA)	%	115	---	---	---
Sulfation (PA)	%	45	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	● 8	---	---	---
Sodium	ppm	● 0	---	---	---
Potassium	ppm	● 6	---	---	---



WEAR METALS

Iron	ppm	● 9	---	---	---
Copper	ppm	● 4	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● 3	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 2	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	● 4135	---	---	---
Magnesium	ppm	● 21	---	---	---
Zinc	ppm	● 1165	---	---	---
Phosphorus	ppm	● 1030	---	---	---
Barium	ppm	● <1	---	---	---
Boron	ppm	● 247	---	---	---

Depot: CANGHE
Unique No: 10829991
Signed: Wes Davis
Report Date: 12 Jan 2024



GRAPHS

