

LIEBHERR

CONSTRUCTION EQUIPMENT



NOT GIVEN LH0220959 (S/N NO INFO ON SIF/BOTTLE) - Diese

Sample No: LH0220959

Oil Type: LIEBHERR MOTOROIL 5W30



SAMPLE INFORMATION

Sample Number	LH0220959	---	---	---
Sample Date	23 Aug 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR EQUIPMENT SOURCE

4100 CHESTNUT AVENUE
NEWPORT NEWS, VA
US 23607

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T:

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OIL CONDITION

Visc @ 100°C	cSt	12.2	---	---	---
Base Number (BN)	mg KOH/g	8.2	---	---	---
Oxidation (PA)	%	187	---	---	---

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

Soot %	%	0.1	---	---	---
Nitration (PA)	%	68	---	---	---
Sulfation (PA)	%	106	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	16	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	2	---	---	---



WEAR METALS

Iron	ppm	4	---	---	---
Copper	ppm	13	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	6	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	46	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1388	---	---	---
Magnesium	ppm	940	---	---	---
Zinc	ppm	911	---	---	---
Phosphorus	ppm	773	---	---	---
Barium	ppm	44	---	---	---
Boron	ppm	169	---	---	---

Depot: LIEBHERRUS

Unique No: 10619304

Signed: Don Baldrige

Report Date: 26 Aug 2023



GRAPHS

