

LIEBHERR

CONSTRUCTION EQUIPMENT



[[STEVENS ON CRANE]] LIEBHERR LTM1300-6.3 081046 (S/N 2023140124) - Diesel Engine

Sample No: LHMC148019

Oil Type: LIEBHERR MOTOROIL 5W-30 LOW ASH



SAMPLE INFORMATION

Sample Number	LHMC148019	---	---	---
Sample Date	09 Feb 2024	---	---	---
Machine Hours	539	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

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 NEWPORT NEWS, VA
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OIL CONDITION

Visc @ 100°C	cSt	12.0	---	---	---
Base Number (BN)	mg KOH/g	6.5	---	---	---
Oxidation (PA)	%	188	---	---	---

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.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	83	---	---	---
Sulfation (PA)	%	107	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	10	---	---	---
Sodium	ppm	0	---	---	---
Potassium	ppm	3	---	---	---



WEAR METALS

Iron	ppm	21	---	---	---
Copper	ppm	53	---	---	---
Lead	ppm	2	---	---	---
Tin	ppm	2	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	108	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	1	---	---	---
Manganese	ppm	7	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	1373	---	---	---
Magnesium	ppm	839	---	---	---
Zinc	ppm	856	---	---	---
Phosphorus	ppm	795	---	---	---
Barium	ppm	18	---	---	---
Boron	ppm	100	---	---	---

Depot: LIENEW
 Unique No: 10883718
 Signed: Don Baldrige
 Report Date: 19 Feb 2024



GRAPHS

