

LIEBHERR

CONSTRUCTION EQUIPMENT



[[TRI-CON]] LIEBHERR L586 050235-1334 - Diesel Engine

Sample No: LHMC133812

Oil Type: LIEBHERR MOTOROIL 5W-30 LOW ASH



SAMPLE INFORMATION

Sample Number	LHMC133812	LHMC105565	---	---
Sample Date	27 Feb 2024	06 Jan 2023	---	---
Machine Hours	7469	5530	---	---
Oil Hours	500	522	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

FINKBINER EQUIPMENT

3501 N. MAIN ST
EAST PEORIA, IL
US 61611

Contact: Mike Plummer
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OIL CONDITION

Visc @ 100°C	cSt	11.2	11.6	---	---
Base Number (BN)	mg KOH/g	9.7	10.8	---	---
Oxidation (PA)	%	78	73	---	---

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	NEG	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	53	68	---	---
Sulfation (PA)	%	58	55	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	7	7	---	---
Sodium	ppm	3	0	---	---
Potassium	ppm	1	2	---	---



WEAR METALS

Iron	ppm	3	5	---	---
Copper	ppm	<1	1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	2	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	39	31	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1530	2235	---	---
Magnesium	ppm	501	346	---	---
Zinc	ppm	876	921	---	---
Phosphorus	ppm	699	770	---	---
Barium	ppm	0	0	---	---
Boron	ppm	56	104	---	---

Depot: FINEASIL

Unique No: 10916851

Signed: Wes Davis

Report Date: 11 Mar 2024



GRAPHS

