

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L550 052956-1214 - Diesel Engine

Sample No: LHMC141115
 Oil Type: LIEBHERR 10W30



SAMPLE INFORMATION

Sample Number	LHMC141115	LHMC141067	---	---
Sample Date	08 Mar 2024	03 Dec 2020	---	---
Machine Hours	7214	2690	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	NORMAL	ATTENTION	---	---

KRD
 200 S ELAM AVE
 VALLEY PARK, MO
 US 63088
 Contact: Service Manager



OIL CONDITION

Visc @ 100°C	cSt	● 11.4	● 11.5	---	---
Base Number (BN)	mg KOH/g	● 9.9	---	---	---
Oxidation (PA)	%	75	83	---	---

T: (309)863-4831
 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	NEG	---	---
Soot %	%	● 0.1	● 0.1	---	---
Nitration (PA)	%	48	70	---	---
Sulfation (PA)	%	57	62	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	● 0.9	---	---
Silicon	ppm	● 11	● 10	---	---
Sodium	ppm	● 2	● 4	---	---
Potassium	ppm	● 0	● 0	---	---



WEAR METALS

Iron	ppm	● 3	● 5	---	---
Copper	ppm	● 12	● 89	---	---
Lead	ppm	● <1	● <1	---	---
Tin	ppm	● 0	● <1	---	---
Aluminum	ppm	● <1	● 1	---	---
Chromium	ppm	● 0	● <1	---	---
Molybdenum	ppm	● 39	● 40	---	---
Nickel	ppm	● 0	● 0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	● 0	<1	---	---
Manganese	ppm	0	● <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	● 1545	● 2060	---	---
Magnesium	ppm	● 494	● 458	---	---
Zinc	ppm	● 809	● 974	---	---
Phosphorus	ppm	703	● 787	---	---
Barium	ppm	● 0	● 0	---	---
Boron	ppm	● 56	● 68	---	---

Depot: KRQVAL
Unique No: 10923594
Signed: Wes Davis
Report Date: 12 Mar 2024



GRAPHS

