

LIEBHERR

CONSTRUCTION EQUIPMENT



[[FMS METALS]] LIEBHERR LH50 LH0264419 (S/N NOT GIVEN) - Diesel

Sample No: LH0264419

Oil Type: LIEBHERR MOTOROIL 10W-40 LOW ASH



Sample Information

Sample Number	LH0264419	---	---	---
Sample Date	15 Apr 2024	---	---	---
Machine Hours	14240	---	---	---
Oil Hours	50	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

CENTRAL POWER
 11745 LACKLAND RD
 SAINT LOUIS, MO
 US 63146
 Contact: MARGIE RANGLES
 margie.randles@cpower.com
 T: (314)427-4911
 F:



Oil Condition

Visc @ 100°C	cSt	13.5	---	---	---
Base Number (BN)	mg KOH/g	9.7	---	---	---
Oxidation (PA)	%	70	---	---	---

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)	%	58	---	---	---
Sulfation (PA)	%	51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	11	---	---	---
Sodium	ppm	6	---	---	---
Potassium	ppm	14	---	---	---



Wear Metals

Iron	ppm	10	---	---	---
Copper	ppm	16	---	---	---
Lead	ppm	5	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	2	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	<1	---	---	---



Additives

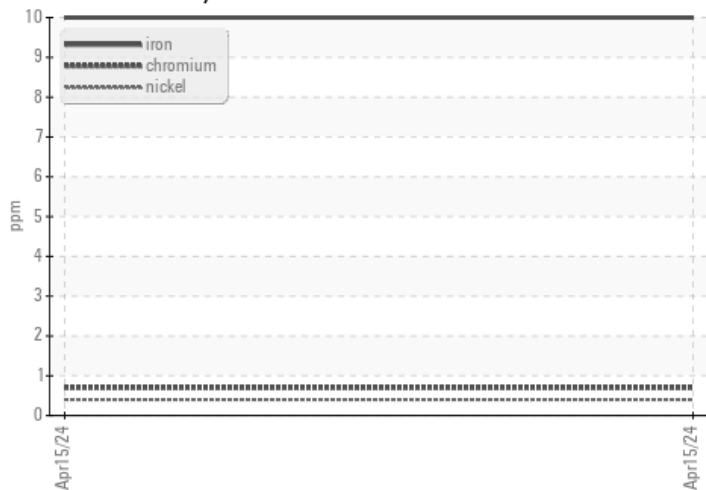
Calcium	ppm	1399	---	---	---
Magnesium	ppm	719	---	---	---
Zinc	ppm	880	---	---	---
Phosphorus	ppm	792	---	---	---
Barium	ppm	13	---	---	---
Boron	ppm	190	---	---	---

Depot: CENSAILH
Unique No: 11004532
Signed: Wes Davis
Report Date: 30 Apr 2024

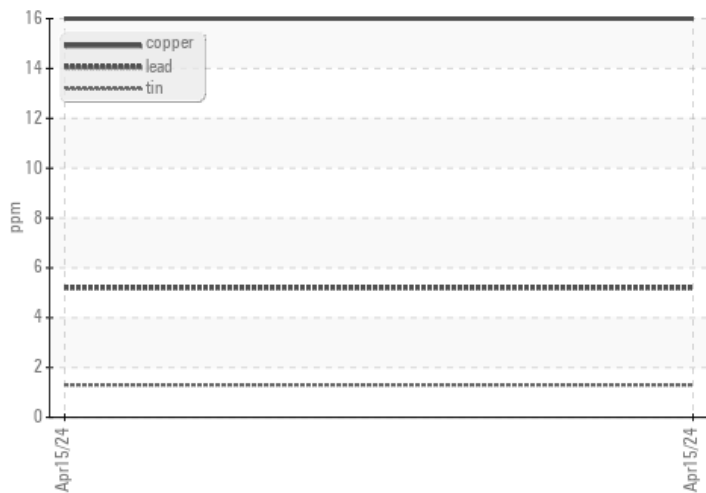


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

