

LIEBHERR

CONSTRUCTION EQUIPMENT



[[SITEWORK DEVELOPMENT]] LIEBHERR LR626 017306-1327 - Diesel

Sample No: LH0267347

Oil Type: LIEBHERR MOTOROIL 5W-30 LOW ASH



SAMPLE INFORMATION

Sample Number	LH0267347	LH0191115	LHMC155511	---
Sample Date	11 Jan 2024	19 May 2021	12 Oct 2019	---
Machine Hours	0	1056	461	---
Oil Hours	0	0	461	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

LIEBHERR EQUIPMENT SOURCE
 8200 FAYETTEVILLE ROAD
 RALEIGH, NC
 US 27603
 Contact: JOSEPH GERMEROTH
 joseph.germeroth@liebherr.com
 T:
 F: (919)329-0084



OIL CONDITION

Visc @ 100°C	cSt	13.1	12.5	12.6	---
Base Number (BN)	mg KOH/g	7.4	---	---	---
Oxidation (PA)	%	98	98	156	---

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	NEG	---
Soot %	%	0.1	0.1	0.1	---
Nitration (PA)	%	106	113	88	---
Sulfation (PA)	%	69	71	92	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	7	9	45	---
Sodium	ppm	2	<1	5	---
Potassium	ppm	3	2	4	---



WEAR METALS

Iron	ppm	21	25	27	---
Copper	ppm	7	6	39	---
Lead	ppm	2	1	0	---
Tin	ppm	<1	<1	1	---
Aluminum	ppm	2	0	3	---
Chromium	ppm	<1	1	1	---
Molybdenum	ppm	14	13	37	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	2	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

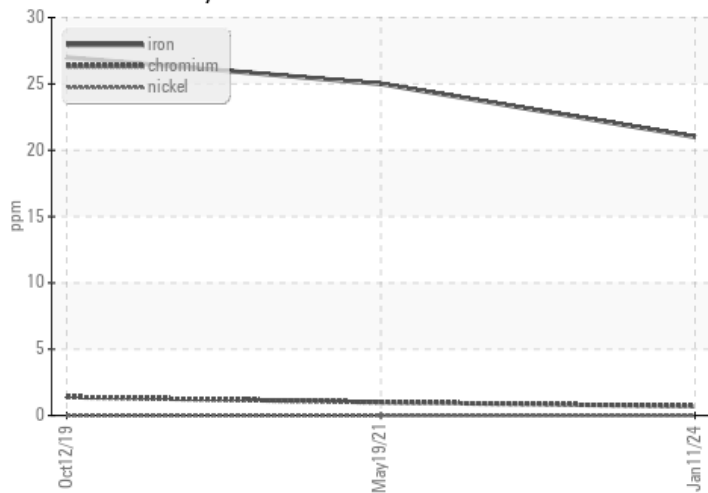
Calcium	ppm	2597	2837	1509	---
Magnesium	ppm	188	102	729	---
Zinc	ppm	1127	917	876	---
Phosphorus	ppm	943	792	713	---
Barium	ppm	0	0	1	---
Boron	ppm	61	128	61	---

Depot: LIEBHERRNC
 Unique No: 10833711
 Signed: Wes Davis
 Report Date: 18 Jan 2024

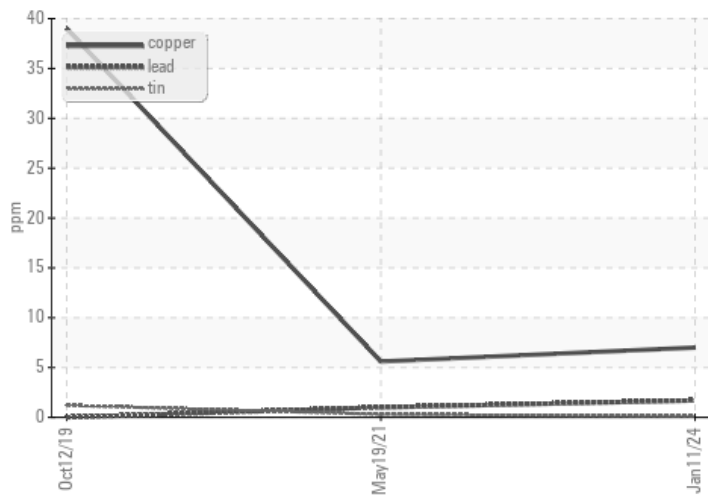


GRAPHS

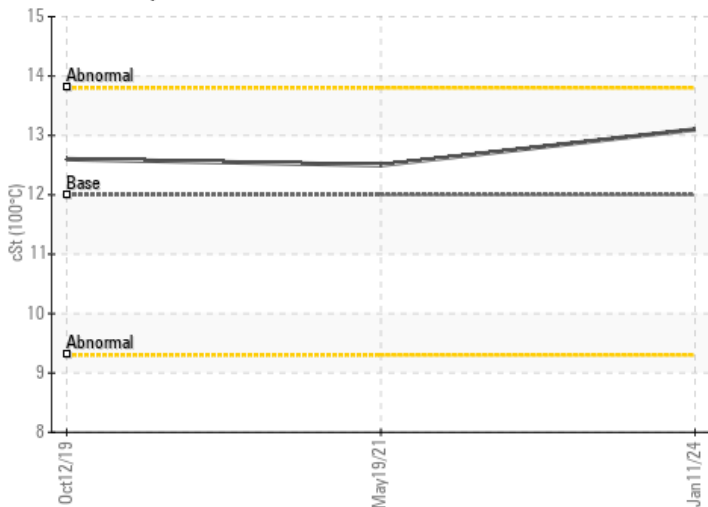
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

