

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L566 1484-53615 - Diesel Engine

Sample No: LH0268224

Oil Type: DIESEL ENGINE OIL SAE 5W40



SAMPLE INFORMATION

Sample Number	LH0268224	LH0181943	---	---
Sample Date	16 Jan 2024	20 Mar 2023	---	---
Machine Hours	3981	3043	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

ALTER RECYCLINE - DUBUQUE
 PO BOX 390
 WEBSTER, NY
 US 14580
 Contact: SERVICE MANAGER



OIL CONDITION

Visc @ 100°C	cSt	13.5	12.5	---	---
Base Number (BN)	mg KOH/g	8.2	7.0	---	---
Oxidation (PA)	%	50	57	---	---

T:
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)	%	59	68	---	---
Sulfation (PA)	%	50	54	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	7	6	---	---
Sodium	ppm	2	<1	---	---
Potassium	ppm	2	3	---	---



WEAR METALS

Iron	ppm	4	5	---	---
Copper	ppm	1	8	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	1	1	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	7	12	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	80	48	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

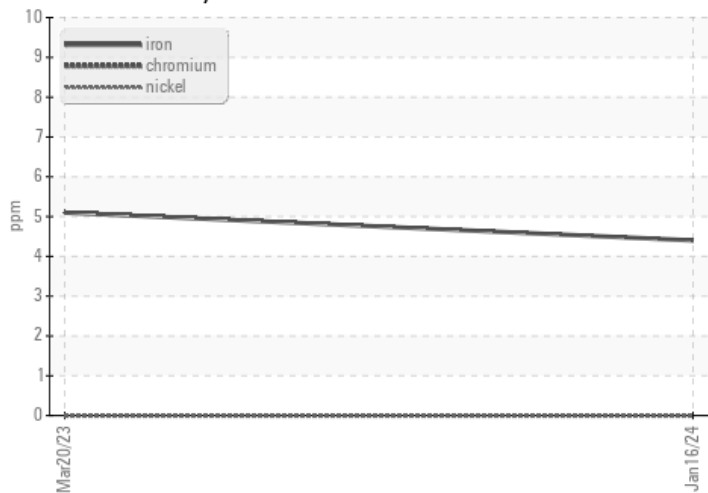
Calcium	ppm	1400	1295	---	---
Magnesium	ppm	743	561	---	---
Zinc	ppm	1266	1024	---	---
Phosphorus	ppm	1023	864	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	142	87	---	---

Depot: ALTWEB
Unique No: 10848766
Signed: Jonathan Hester
Report Date: 30 Jan 2024

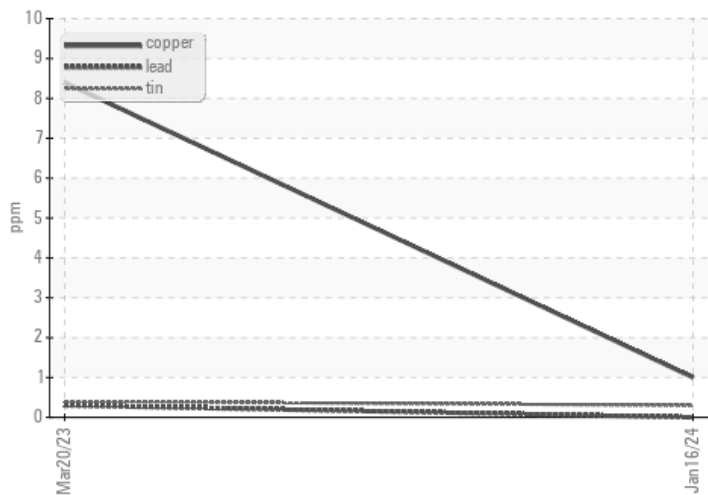


GRAPHS

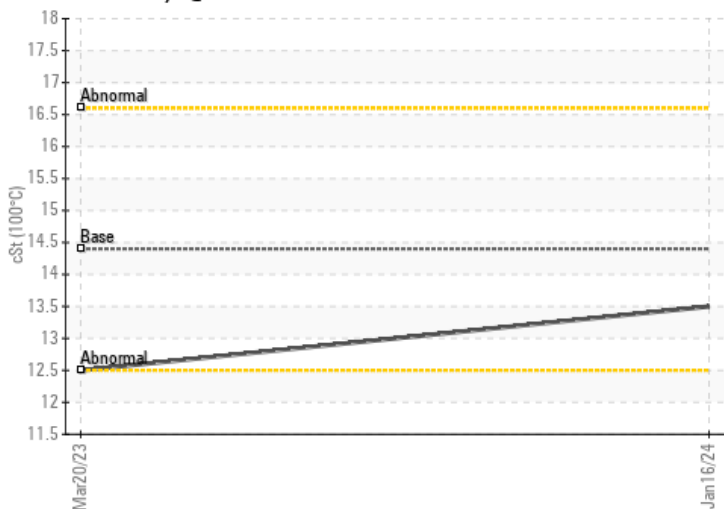
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

