

LIEBHERR

CONSTRUCTION EQUIPMENT



141510-1216 LIEBHERR LH50M 141510-1216 - Diesel Engine

Sample No: LH0272920

Oil Type: PETRO CANADA DURON UHP E6 5W30



RIVER METALS RECYCLING - LOUISVILLE
 PO BOX 6521
 LOUISVILLE, KY
 US 40206
 Contact: RYAN BOWDEN

T:
 F: (502)587-8699

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.



SAMPLE INFORMATION

Sample Number	LH0272920	DJJ0021681	DJJ0017978	---
Sample Date	06 Mar 2024	07 Dec 2023	09 Mar 2023	---
Machine Hours	3650	3025	1432	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 100°C	cSt	12.0	11.3	11.3	---
Base Number (BN)	mg KOH/g	8.1	6.2	7.5	---
Oxidation (PA)	%	104	104	101	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.1	0.1	0.1	---
Nitration (PA)	%	99	93	89	---
Sulfation (PA)	%	60	61	61	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	5	7	6	---
Sodium	ppm	0	0	<1	---
Potassium	ppm	0	<1	0	---



WEAR METALS

Iron	ppm	2	5	5	---
Copper	ppm	1	5	22	---
Lead	ppm	0	<1	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	2	---
Chromium	ppm	0	<1	0	---
Molybdenum	ppm	43	43	41	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	0	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

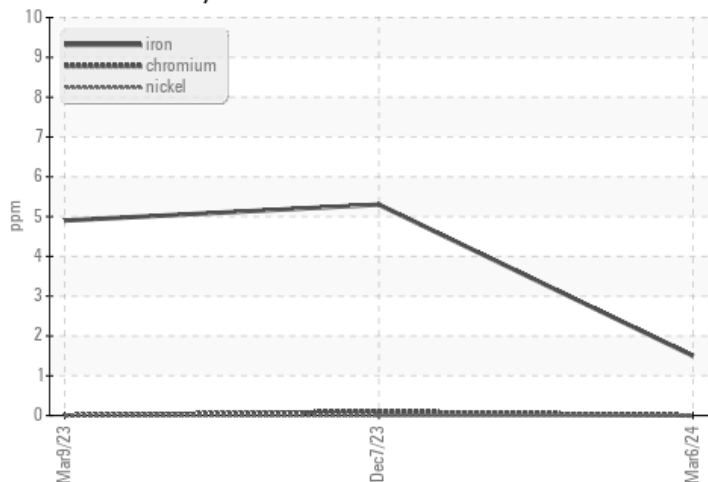
Calcium	ppm	1281	1318	1303	---
Magnesium	ppm	844	931	869	---
Zinc	ppm	836	850	841	---
Phosphorus	ppm	703	689	615	---
Barium	ppm	0	0	0	---
Boron	ppm	101	52	72	---

Depot: RIVLOU
 Unique No: 10915300
 Signed: Doug Bogart
 Report Date: 07 Mar 2024

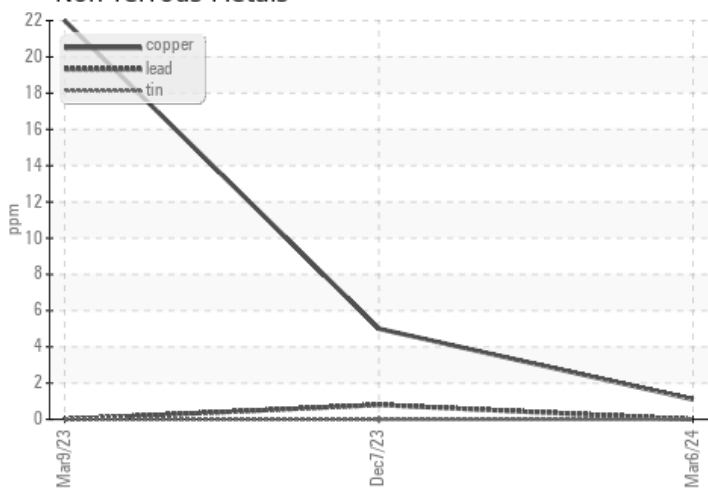


GRAPHS

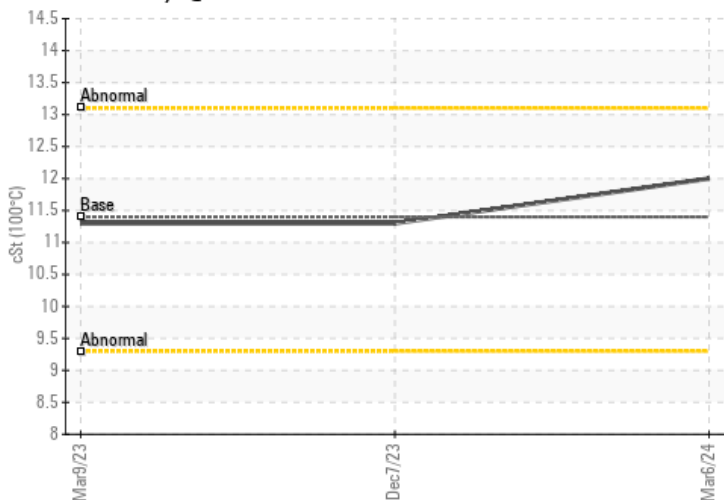
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

