

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LTM1250-5.1088721- Diesel Engine

Sample No: LH0259136

Oil Type: LIEBHERR MOTOROIL 10W-40 LOW ASH



SAMPLE INFORMATION

Sample Number	LH0259136	---	---	---
Sample Date	20 Mar 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

LIEBHERR USA CO - MOBILE AND CRAWLER CRANES
 4100 CHESTNUT AVENUE
 NEWPORT NEWS, VA
 US 23607
 Contact: CHRIS JONES
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 T: (757)245-5251
 F:



OIL CONDITION

Visc @ 100°C	cSt	11.7	---	---	---
Base Number (BN)	mg KOH/g	16.6	---	---	---
Oxidation (PA)	%	45	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	83	---	---	---
Sulfation (PA)	%	40	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	1.1	---	---	---
Silicon	ppm	8	---	---	---
Sodium	ppm	0	---	---	---
Potassium	ppm	3	---	---	---



WEAR METALS

Iron	ppm	10	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	1	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

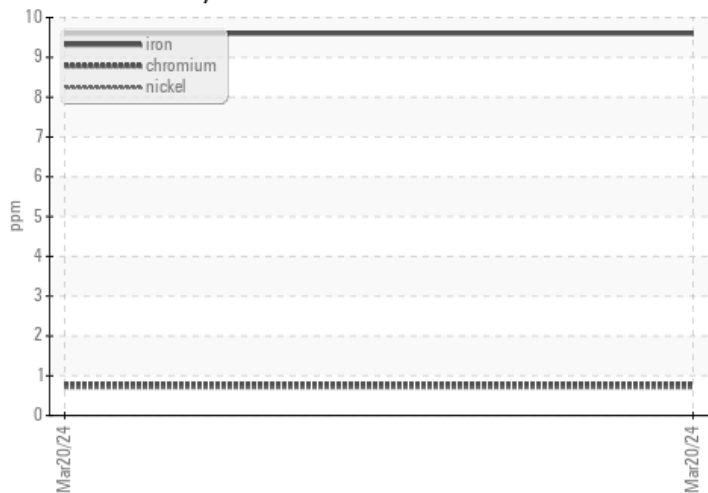
Calcium	ppm	4705	---	---	---
Magnesium	ppm	38	---	---	---
Zinc	ppm	1237	---	---	---
Phosphorus	ppm	1118	---	---	---
Barium	ppm	1	---	---	---
Boron	ppm	322	---	---	---

Depot: LIENEW
 Unique No: 10942519
 Signed: Don Baldrige
 Report Date: 28 Mar 2024

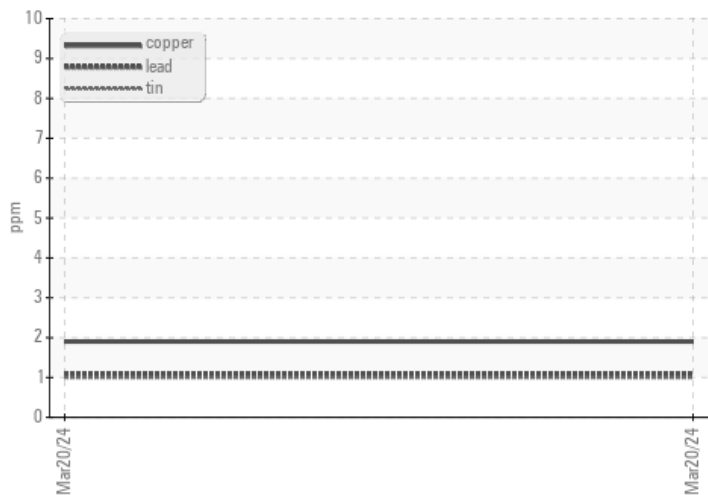


GRAPHS

Ferrous Alloys



Non-ferrous Metals



● Viscosity @ 100°C



Base Number

