

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 110920-1217 - Diesel Engine

Sample No: LH0244905
 Oil Type: DIESEL ENGINE OIL SAE 15W40



RECO EQUIPMENT INC
 2530 CHARLESTON PL
 FT WAYNE, IN
 US 46808
 Contact: BRIAN MENSHY

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Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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.



SAMPLE INFORMATION

Sample Number	LH0244905	---	---	---
Sample Date	30 Oct 2023	---	---	---
Machine Hours	220	---	---	---
Oil Hours	68	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	11.8	---	---	---
Base Number (BN)	mg KOH/g	17.4	---	---	---
Oxidation (PA)	%	38	---	---	---



CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	81	---	---	---
Sulfation (PA)	%	39	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	0.8	---	---	---
Silicon	ppm	8	---	---	---
Sodium	ppm	0	---	---	---
Potassium	ppm	<1	---	---	---



WEAR METALS

Iron	ppm	4	---	---	---
Copper	ppm	1	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	1	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

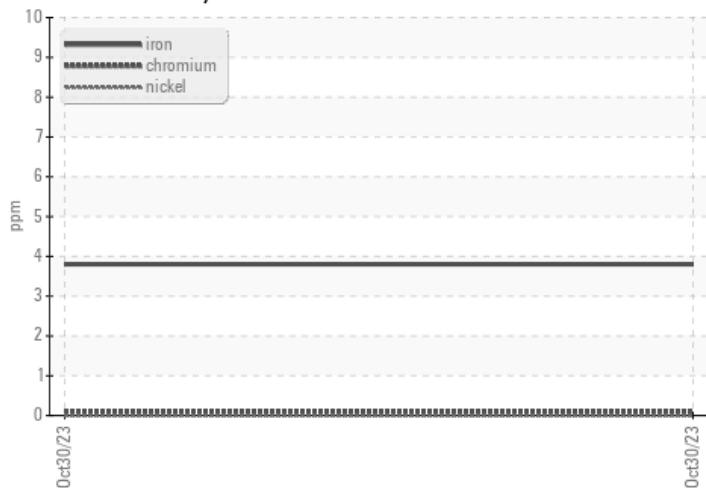
Calcium	ppm	4515	---	---	---
Magnesium	ppm	27	---	---	---
Zinc	ppm	1290	---	---	---
Phosphorus	ppm	1099	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	255	---	---	---

Depot: RECFTW
 Unique No: 10724934
 Signed: Jonathan Hester
 Report Date: 07 Nov 2023

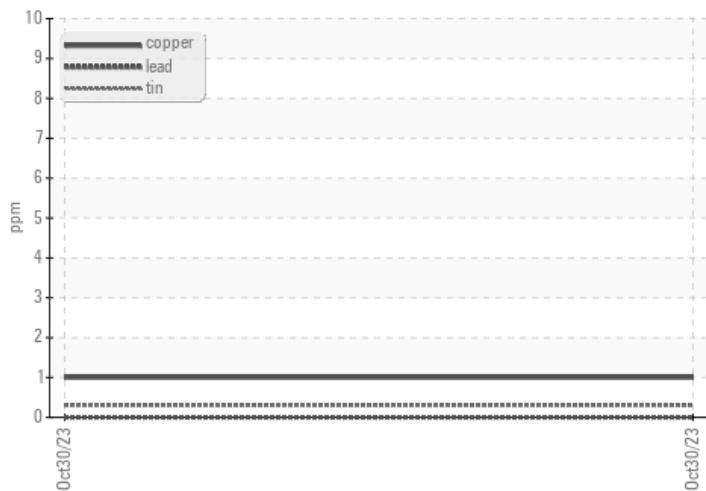


GRAPHS

Ferrous Alloys



Non-ferrous Metals



● Viscosity @ 100°C



Base Number

