

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 1253-118648 - Diesel Engine

Sample No: LH0244507

Oil Type: LIEBHERR MOTOROIL 5W-30 LOW ASH



**JR VINAGRO**  
2208 PLAINFIELD PIKE  
JOHNSTON, RI  
US 02919  
Contact: Service Manager



#### SAMPLE INFORMATION

Sample Number	LH0244507	LH0207310	---	---
Sample Date	07 Mar 2023	09 Nov 2021	---	---
Machine Hours	1690	952	---	---
Oil Hours	738	952	---	---
Oil Changed	Filtered	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---



#### OIL CONDITION

Visc @ 100°C	cSt	10.9	11.6	---	---
Base Number (BN)	mg KOH/g	11.1	---	---	---
Oxidation (PA)	%	61	27	---	---

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	0.2	---	---
Nitration (PA)	%	104	51	---	---
Sulfation (PA)	%	47	38	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	11	11	---	---
Sodium	ppm	<1	3	---	---
Potassium	ppm	4	5	---	---



#### WEAR METALS

Iron	ppm	13	12	---	---
Copper	ppm	44	340	---	---
Lead	ppm	<1	4	---	---
Tin	ppm	1	2	---	---
Aluminum	ppm	1	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	9	59	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	2	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

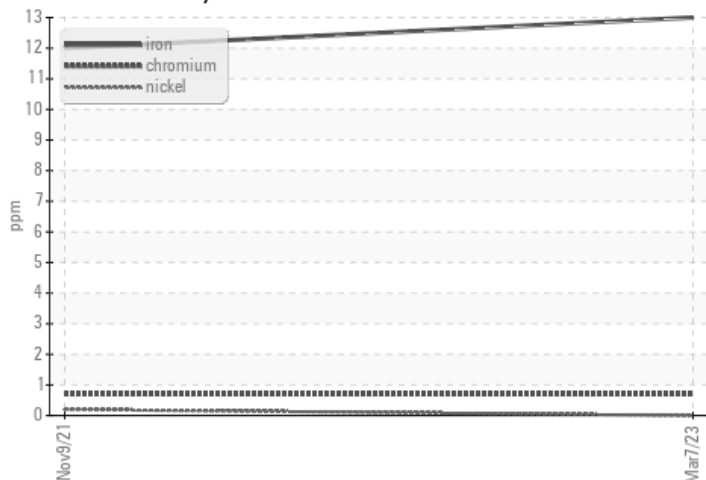
Calcium	ppm	4111	1393	---	---
Magnesium	ppm	115	824	---	---
Zinc	ppm	1174	848	---	---
Phosphorus	ppm	998	631	---	---
Barium	ppm	5	21	---	---
Boron	ppm	247	78	---	---

Depot: JRVJOH  
Unique No: 10427461  
Signed: Doug Bogart  
Report Date: 16 Apr 2023

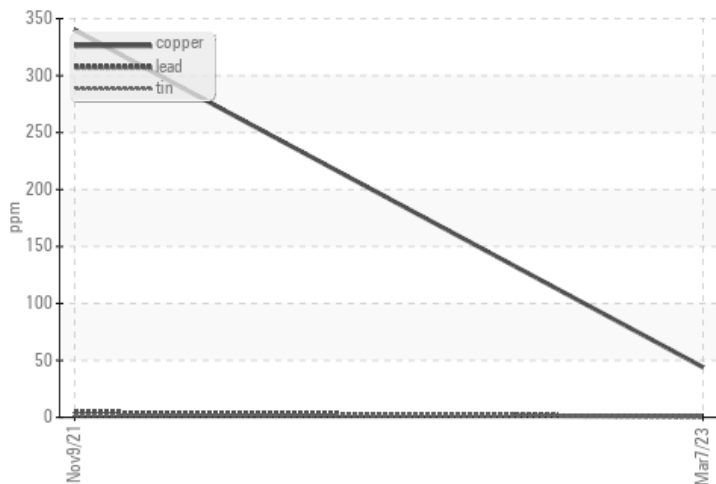


### GRAPHS

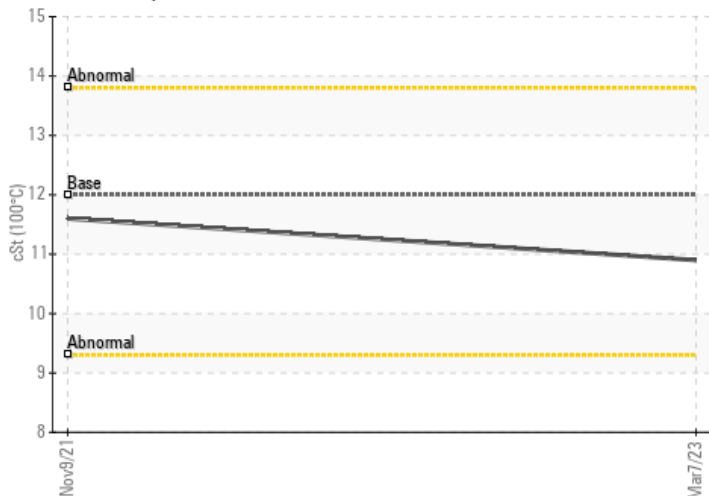
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

