

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 1253-126191 - Diesel Engine

Sample No: LH0258300

Oil Type: PETRO CANADA DURON UHP 5W30



**TRAM CONSTRUCTION**  
9279 E KY 8  
GARRISON, KY  
US 41141  
Contact: Service Manager



#### SAMPLE INFORMATION

Sample Number	LH0258300	LH0208506	---	---
Sample Date	10 Aug 2023	28 Dec 2021	---	---
Machine Hours	3826	1115	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



#### OIL CONDITION

Visc @ 100°C	cSt	11.1	11.3	---	---
Base Number (BN)	mg KOH/g	9.9	8.4	---	---
Oxidation (PA)	%	70	97	---	---

T:  
F:



#### CONTAMINATION

Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	62	85	---	---
Sulfation (PA)	%	48	60	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	6	7	---	---
Sodium	ppm	<1	<1	---	---
Potassium	ppm	<1	<1	---	---

#### 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.



#### WEAR METALS

Iron	ppm	3	6	---	---
Copper	ppm	<1	17	---	---
Lead	ppm	0	2	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	1	2	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	44	44	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	0	---	---



#### ADDITIVES

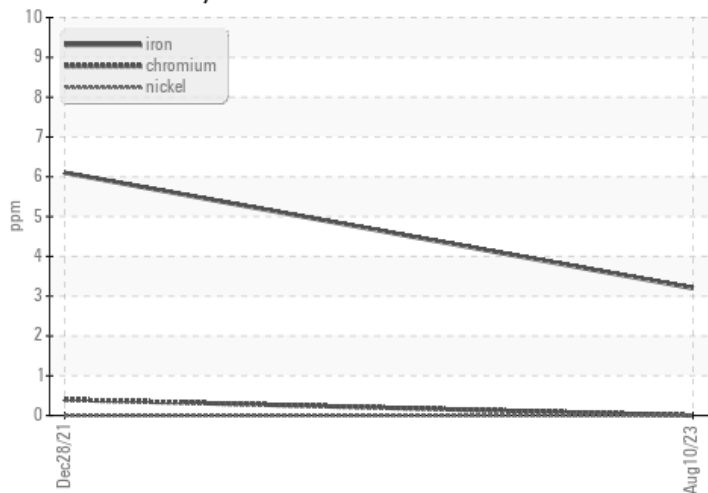
Calcium	ppm	1350	1253	---	---
Magnesium	ppm	897	858	---	---
Zinc	ppm	861	828	---	---
Phosphorus	ppm	716	656	---	---
Barium	ppm	0	3	---	---
Boron	ppm	132	79	---	---

Depot: TRAGARLH  
Unique No: 10615412  
Signed: Wes Davis  
Report Date: 22 Aug 2023

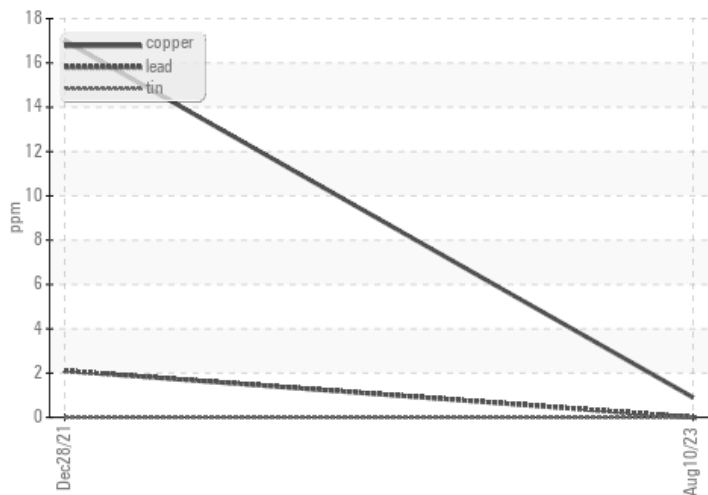


### GRAPHS

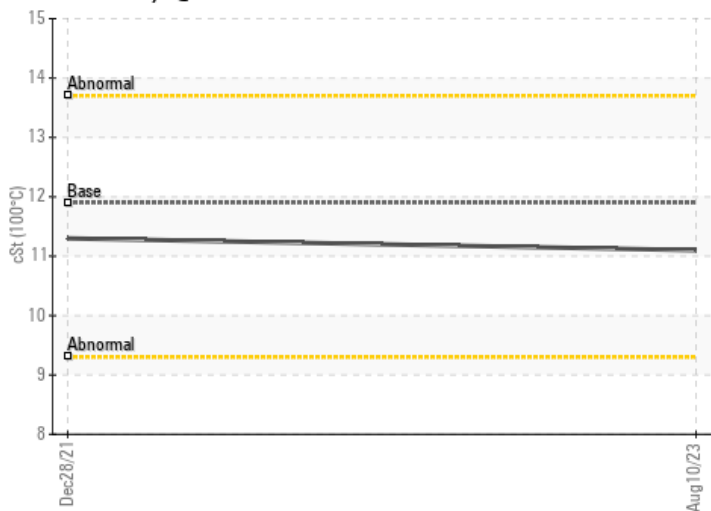
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

