

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30 122037 - Diesel Engine

Sample No: LH0258295

Oil Type: DIESEL ENGINE OIL SAE 5W30



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SAMPLE INFORMATION

Sample Number	LH0258295	---	---	---
Sample Date	14 Aug 2023	---	---	---
Machine Hours	4199	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	11.1	---	---	---
Base Number (BN)	mg KOH/g	9.0	---	---	---
Oxidation (PA)	%	74	---	---	---



CONTAMINATION

Soot %	%	0.1	---	---	---
Nitration (PA)	%	73	---	---	---
Sulfation (PA)	%	49	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	7	---	---	---
Sodium	ppm	<1	---	---	---
Potassium	ppm	<1	---	---	---



WEAR METALS

Iron	ppm	3	---	---	---
Copper	ppm	1	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	45	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	1359	---	---	---
Magnesium	ppm	898	---	---	---
Zinc	ppm	865	---	---	---
Phosphorus	ppm	712	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	97	---	---	---

Diagnosis

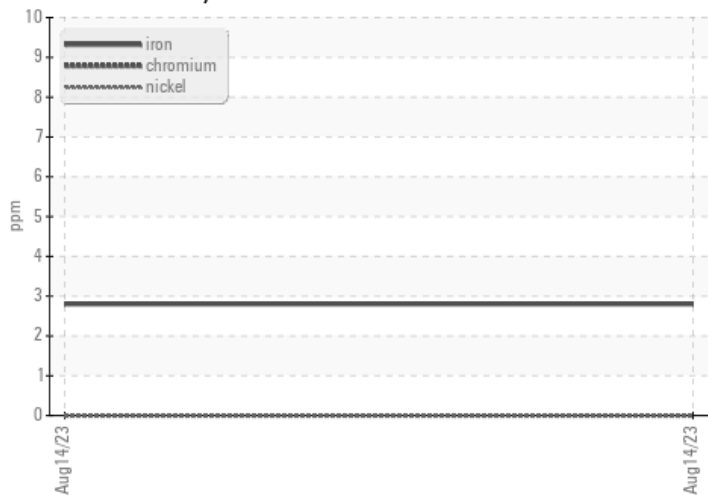
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: LEC0008
 Unique No: 10615407
 Signed: Wes Davis
 Report Date: 22 Aug 2023

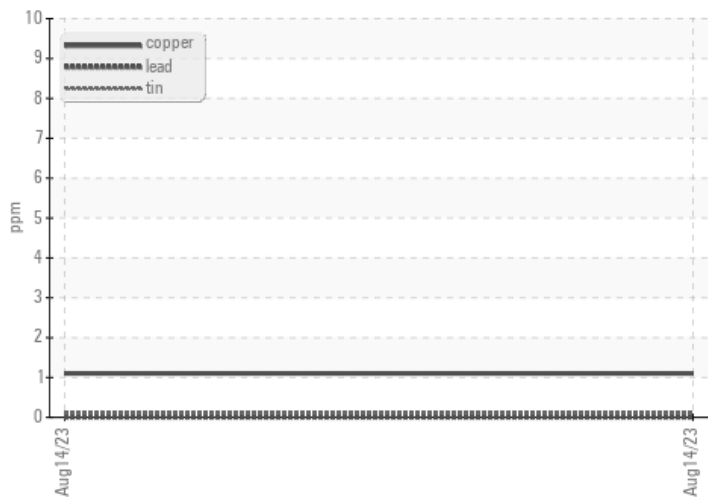


GRAPHS

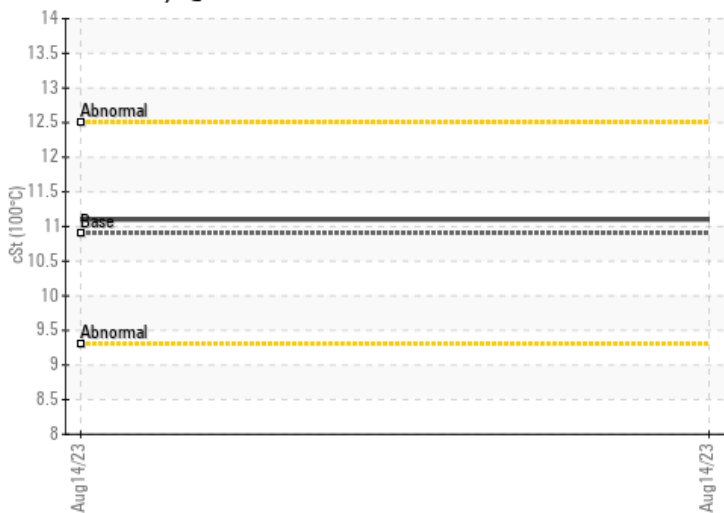
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

