

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L556 047561-1332 - Diesel Engine

Sample No: LH0254826

Oil Type: {unknown}



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Sample Information

Sample Number	LH0254826	---	---	---
Sample Date	07 Jun 2024	---	---	---
Machine Hours	1833	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---



Oil Condition

Visc @ 100°C	cSt	11.0	---	---	---
Base Number (BN)	mg KOH/g	6.5	---	---	---
Oxidation (PA)	%	59	---	---	---



Contamination

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	74	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	1.0	---	---	---
Silicon	ppm	7	---	---	---
Sodium	ppm	5	---	---	---
Potassium	ppm	5	---	---	---



Wear Metals

Iron	ppm	<1	---	---	---
Copper	ppm	54	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	3	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	<1	---	---	---



Additives

Calcium	ppm	1366	---	---	---
Magnesium	ppm	671	---	---	---
Zinc	ppm	792	---	---	---
Phosphorus	ppm	704	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	88	---	---	---

Diagnosis

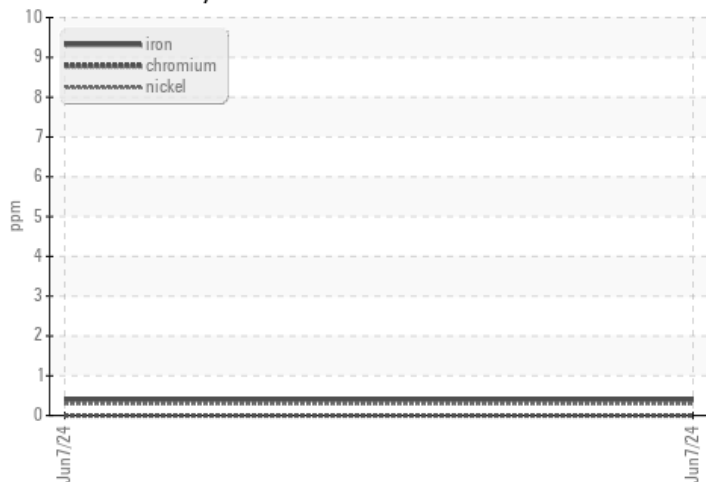
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity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

Depot: LEC0008
Unique No: 11076920
Signed: Jonathan Hester
Report Date: 19 Jun 2024

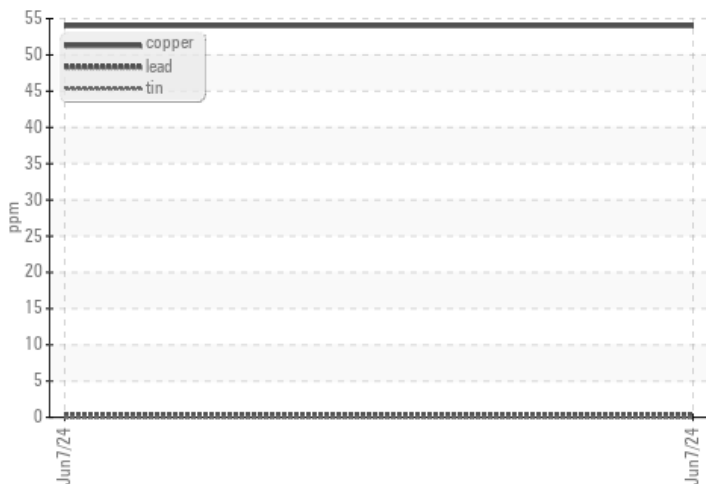


Graphs

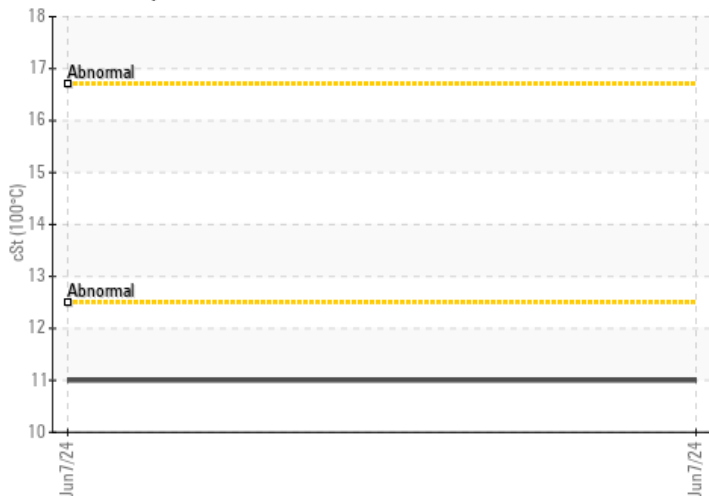
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

