

LIEBHERR

CONSTRUCTION EQUIPMENT



[[INDY TRANSPORT]] LIEBHERR L550 052805 - Diesel Engine

Sample No: LH0254560

Oil Type: DIESEL ENGINE OIL SAE 5W40



SAMPLE INFORMATION

Sample Number	LH0254560	---	---	---
Sample Date	08 Jul 2023	---	---	---
Machine Hours	10836	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

FINKBINER EQUIPMENT CO.

15 W 400 N FRONTAGE RD

BURR RIDGE, IL

US 60527

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OIL CONDITION

Visc @ 100°C	cSt	14.2	---	---	---
Base Number (BN)	mg KOH/g	7.2	---	---	---
Oxidation (PA)	%	51	---	---	---

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.



CONTAMINATION

Soot %	%	0.1	---	---	---
Nitration (PA)	%	71	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	12	---	---	---
Sodium	ppm	0	---	---	---
Potassium	ppm	4	---	---	---



WEAR METALS

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



ADDITIVES

Calcium	ppm	1289	---	---	---
Magnesium	ppm	623	---	---	---
Zinc	ppm	821	---	---	---
Phosphorus	ppm	692	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	72	---	---	---

Depot: LEC0033

Unique No: 10564153

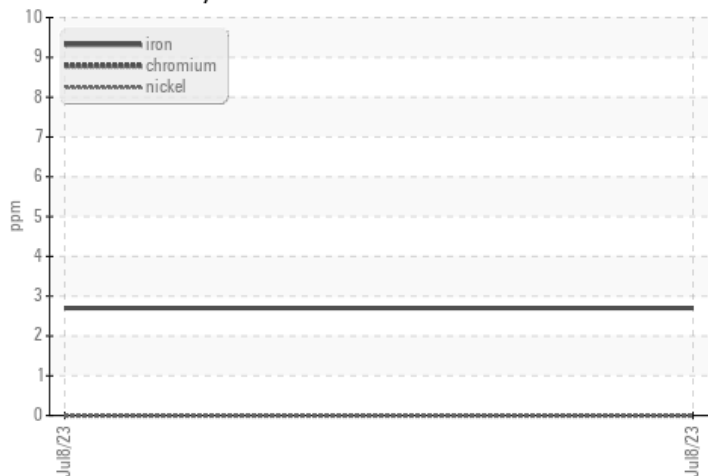
Signed: Wes Davis

Report Date: 20 Jul 2023

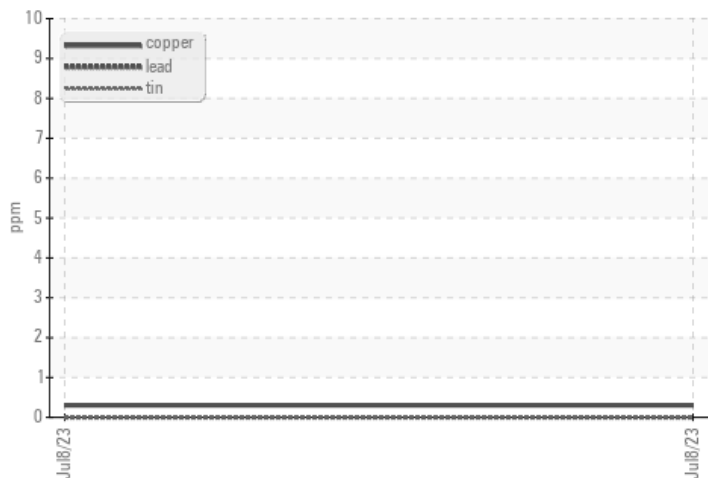


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

