

LIEBHERR

CONSTRUCTION EQUIPMENT



TONY - Diesel Engine

Sample No: LH0268109
 Oil Type: DIESEL ENGINE OIL SAE 15W40



SAMPLE INFORMATION

Sample Number	LH0268109	---	---	---
Sample Date	08 Feb 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

FINKBINER EQUIPMENT CO.
 15 W 400 N FRONTAGE RD
 BURR RIDGE, IL
 US 60527
 Contact: DON FITZGERALD
 dfitzgerald@finkbiner.com
 T: (815)546-8991
 F: (630)654-3792



OIL CONDITION

Visc @ 100°C	cSt	12.9	---	---	---
Base Number (BN)	mg KOH/g	6.3	---	---	---
Oxidation (PA)	%	67	---	---	---

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

Water	%	NEG	---	---	---
Soot %	%	0.2	---	---	---
Nitration (PA)	%	77	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	5	---	---	---
Sodium	ppm	0	---	---	---
Potassium	ppm	4	---	---	---



WEAR METALS

Iron	ppm	8	---	---	---
Copper	ppm	<1	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	93	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

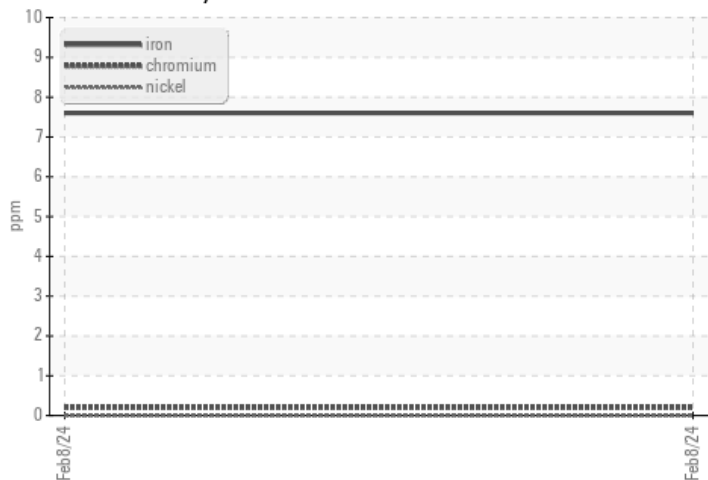
Calcium	ppm	2083	---	---	---
Magnesium	ppm	69	---	---	---
Zinc	ppm	1151	---	---	---
Phosphorus	ppm	1049	---	---	---
Barium	ppm	25	---	---	---
Boron	ppm	80	---	---	---

Depot: LEC0033
 Unique No: 10872034
 Signed: Wes Davis
 Report Date: 12 Feb 2024

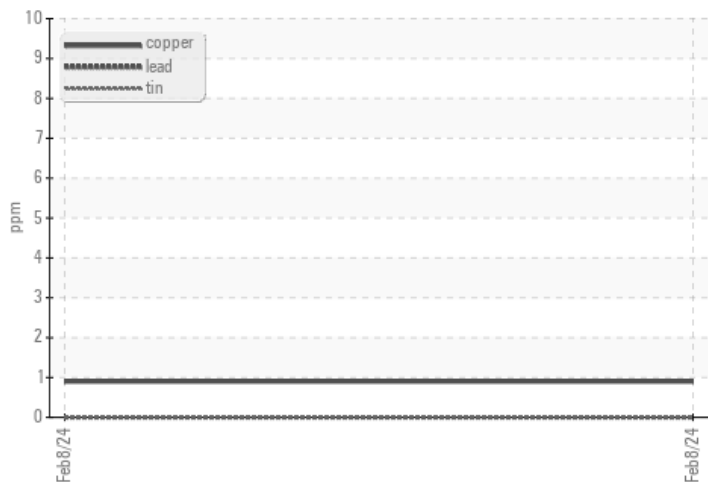


GRAPHS

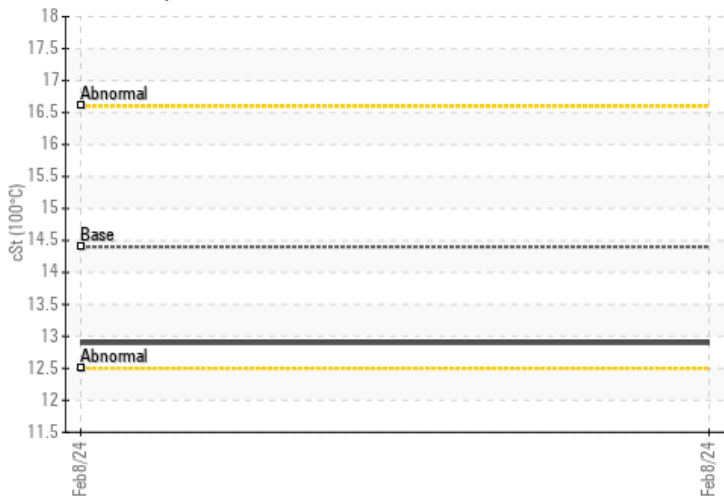
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

