

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR PR736LGP 019189-1155 - Diesel Engine

Sample No: LH0258419

Oil Type: {unknown}



HEAVY MACHINES INC
 7651 THEODORE DAWES RD
 THEODORE, AL
 US 36582
 Contact: DAVID MIANO
 dmiano@heavymachinesinc.com
 T: x:
 F: x:



Sample Information

Sample Number	LH0258419	---	---	---
Sample Date	15 May 2024	---	---	---
Machine Hours	4090	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---



Oil Condition

Visc @ 100°C	cSt	12.8	---	---	---
Base Number (BN)	mg KOH/g	10.2	---	---	---
Oxidation (PA)	%	96	---	---	---



Contamination

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	93	---	---	---
Sulfation (PA)	%	64	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	8	---	---	---
Sodium	ppm	1	---	---	---
Potassium	ppm	1	---	---	---



Wear Metals

Iron	ppm	14	---	---	---
Copper	ppm	13	---	---	---
Lead	ppm	10	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	46	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	1397	---	---	---
Magnesium	ppm	876	---	---	---
Zinc	ppm	920	---	---	---
Phosphorus	ppm	796	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	103	---	---	---

Diagnosis

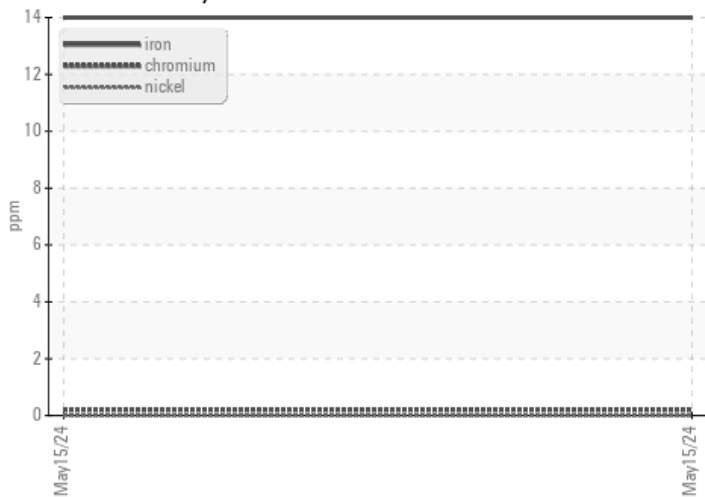
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil.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

Depot: HEATHE
Unique No: 11043842
Signed: Wes Davis
Report Date: 23 May 2024

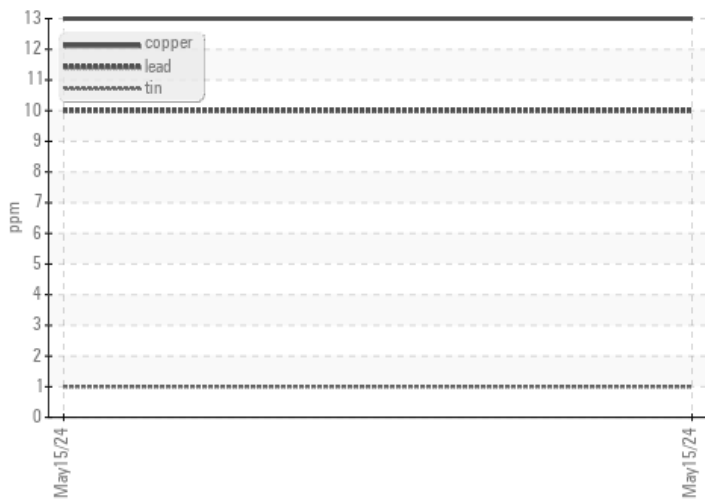


Graphs

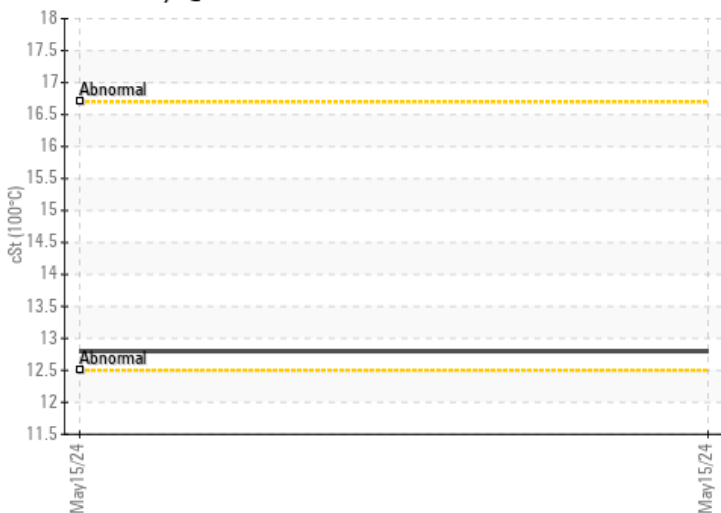
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

