

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR PR716LGP 019319-1423 - Diesel Engine

Sample No: LH0258400

Oil Type: CHEVRON SUPREME MOTOR OIL 10W30



SAMPLE INFORMATION

Sample Number	LH0258400	---	---	---
Sample Date	21 Feb 2024	---	---	---
Machine Hours	1477	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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 7651 THEODORE DAWES RD
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 US 36582
 Contact: DAVID MIANO
 dmiano@heavymachinesinc.com
 T: x:
 F: x:



OIL CONDITION

Visc @ 100°C	cSt	● 11.9	---	---	---
Base Number (BN)	mg KOH/g	● 7.8	---	---	---
Oxidation (PA)	%	64	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	● 0.1	---	---	---
Nitration (PA)	%	73	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	● 8	---	---	---
Sodium	ppm	● 3	---	---	---
Potassium	ppm	● 1	---	---	---

Diagnosis
 Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. 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.



WEAR METALS

Iron	ppm	● 14	---	---	---
Copper	ppm	● 4	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 1	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	● 21	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

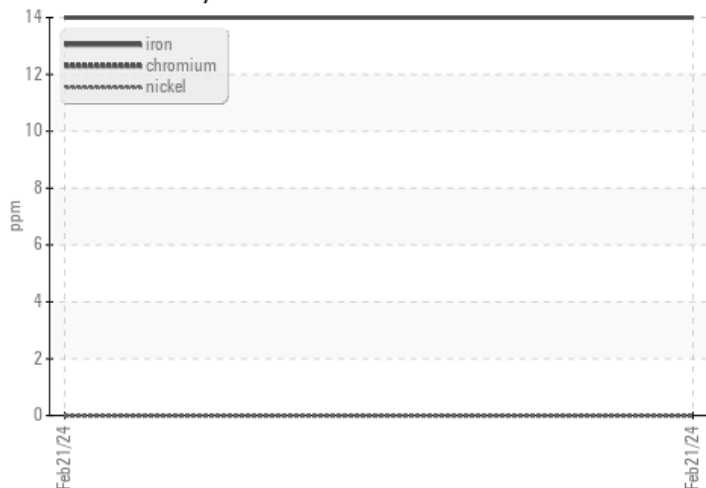
Calcium	ppm	● 1361	---	---	---
Magnesium	ppm	● 661	---	---	---
Zinc	ppm	● 898	---	---	---
Phosphorus	ppm	● 756	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 92	---	---	---

Depot: HEATHE
Unique No: 10912750
Signed: Doug Bogart
Report Date: 07 Mar 2024

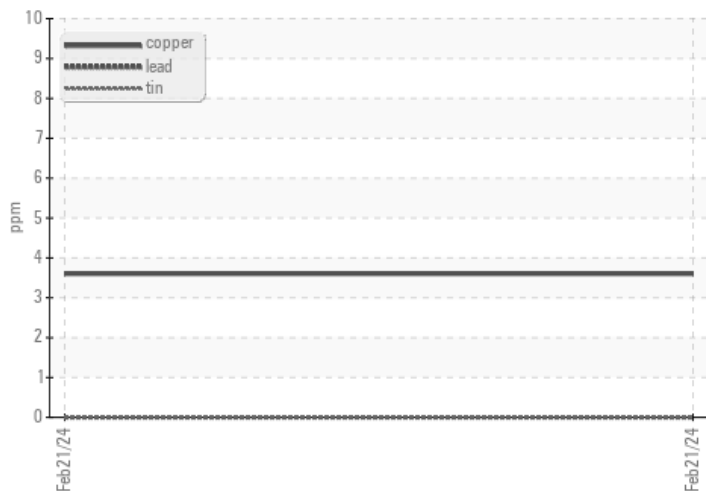


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

