

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR 920K STERLING (S/N NOT GIVEN) - Right Final Drive

Sample No: LH0272831

Oil Type: LIEBHERR HYPOID 85W-140 EP



SAMPLE INFORMATION

Sample Number	LH0272831	---	---	---
Sample Date	02 Feb 2024	---	---	---
Machine Hours	4176	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

POTOMAC METALS
 42702 DULLES TRADE CT
 STERLING, VA
 US 20166
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 T: (703)430-3667
 F:



OIL CONDITION

Visc @ 40°C	cSt	● 186	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 18	---	---	---
Sodium	ppm	● 0	---	---	---
Potassium	ppm	● 2	---	---	---



WEAR METALS

Iron	ppm	● 63	---	---	---
Copper	ppm	● 13	---	---	---
Lead	ppm	● 1	---	---	---
Tin	ppm	● 1	---	---	---
Aluminum	ppm	● 5	---	---	---
Chromium	ppm	● 1	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	● 1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	● 12	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 13	---	---	---
Phosphorus	ppm	2083	---	---	---
Barium	ppm	● 1	---	---	---
Boron	ppm	● 0	---	---	---

Diagnosis

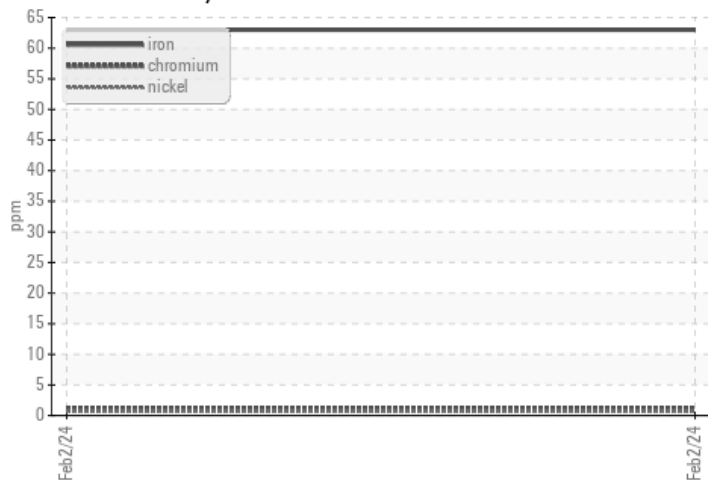
No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

Depot: POTSTE
 Unique No: 10941463
 Signed: Sean Felton
 Report Date: 27 Mar 2024

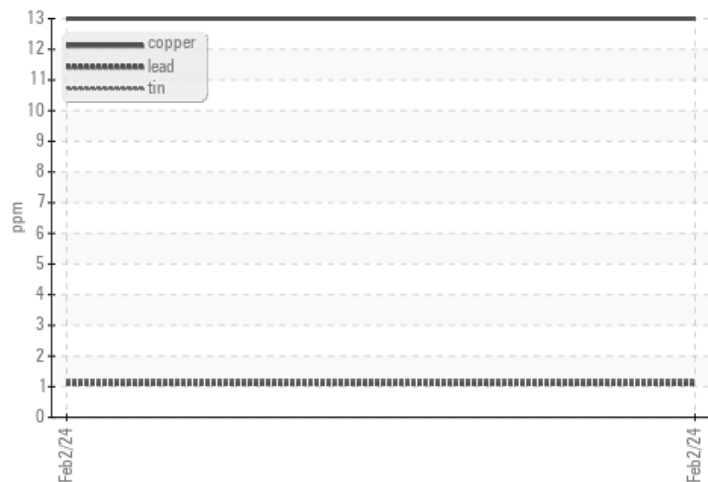


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

