

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A934 030815-1007 - Front Right Final Drive

Sample No: LH0243390

Oil Type: GEAR OIL SAE 80W90



DOMTAR PULP AND PAPER

301 POINT BASSE AVE
NEKOOSA, WI
US 54457
Contact: BILL SENN
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SAMPLE INFORMATION

Sample Number	LH0243390	---	---	---
Sample Date	14 Feb 2024	---	---	---
Machine Hours	50198	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 102	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 72	---	---	---
Sodium	ppm	● 7	---	---	---
Potassium	ppm	● 6	---	---	---



WEAR METALS

Iron	ppm	● 723	---	---	---
Copper	ppm	● 51	---	---	---
Lead	ppm	● 1	---	---	---
Tin	ppm	● 1	---	---	---
Aluminum	ppm	● 13	---	---	---
Chromium	ppm	● 4	---	---	---
Molybdenum	ppm	● 2	---	---	---
Nickel	ppm	● 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 7	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	● 789	---	---	---
Magnesium	ppm	● 15	---	---	---
Zinc	ppm	● 375	---	---	---
Phosphorus	ppm	● 1010	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 144	---	---	---

Diagnosis

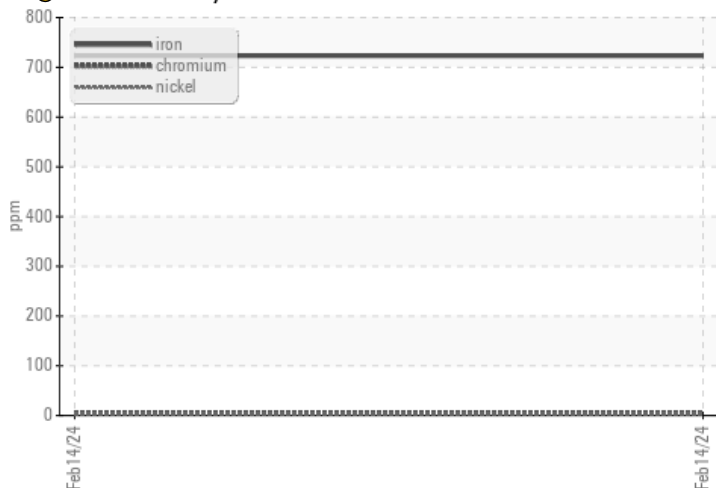
We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

Depot: DOMWAU
Unique No: 10889365
Signed: Sean Felton
Report Date: 23 Feb 2024

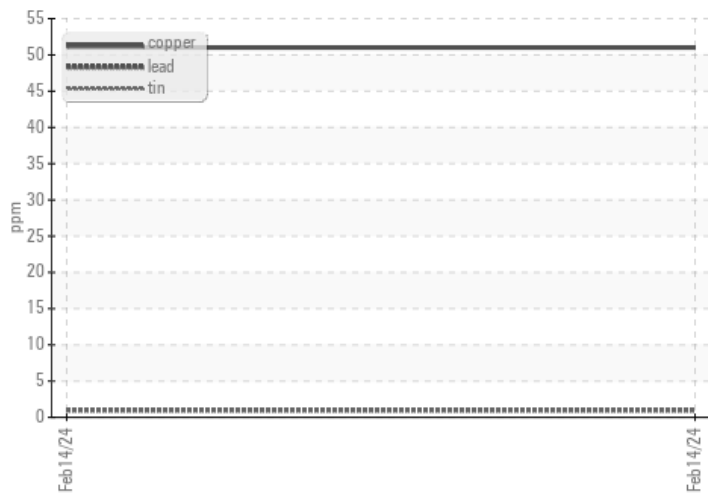


GRAPHS

● Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

