

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A934 030815-1007 - Swing Drive

Sample No: LH0243392

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0243392	---	---	---
Sample Date	14 Feb 2024	---	---	---
Machine Hours	50198	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

DOMTAR PULP AND PAPER

301 POINT BASSE AVE
NEKOOSA, WI
US 54457

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OIL CONDITION

Visc @ 40°C	cSt	● 202	---	---	---
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CONTAMINATION

Water	%	● 8.07	---	---	---
Silicon	ppm	● 23	---	---	---
Sodium	ppm	● 3	---	---	---
Potassium	ppm	● 21	---	---	---

Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Bearing and/or gear wear is indicated. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.



WEAR METALS

Iron	ppm	● 2584	---	---	---
Copper	ppm	● 908	---	---	---
Lead	ppm	● 9	---	---	---
Tin	ppm	● 50	---	---	---
Aluminum	ppm	● 4	---	---	---
Chromium	ppm	● 20	---	---	---
Molybdenum	ppm	● 7	---	---	---
Nickel	ppm	● 3	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 19	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

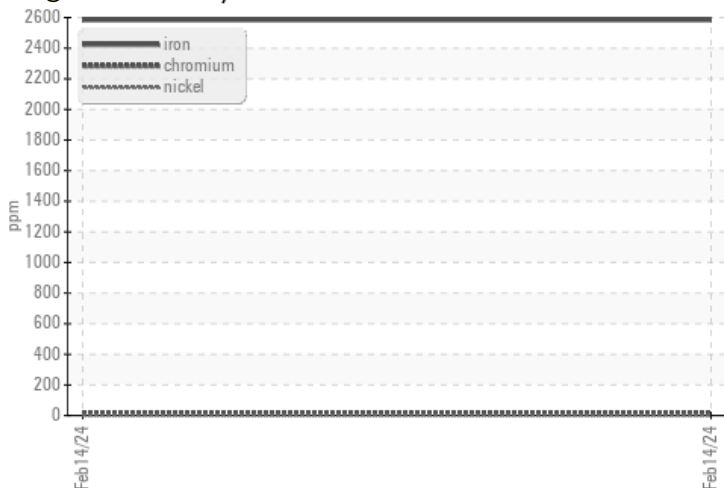
Calcium	ppm	● 763	---	---	---
Magnesium	ppm	● 42	---	---	---
Zinc	ppm	● 323	---	---	---
Phosphorus	ppm	● 2045	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 366	---	---	---

Depot: DOMWAU
Unique No: 10889367
Signed: Jonathan Hester
Report Date: 26 Feb 2024

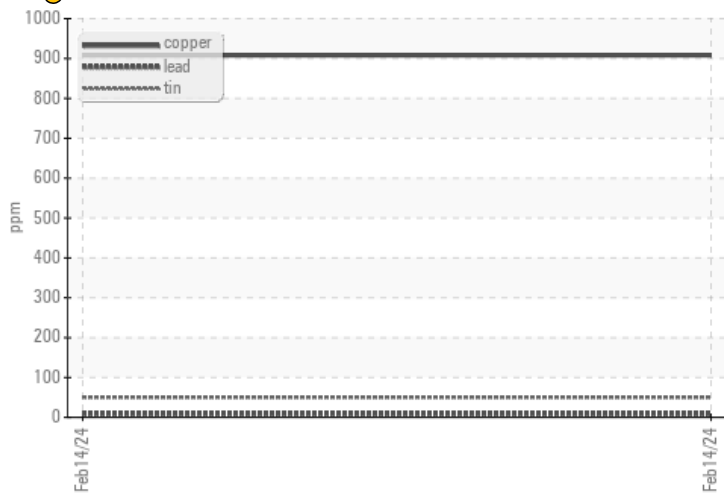


GRAPHS

● Ferrous Alloys



● Non-ferrous Metals



Viscosity @ 40°C

