

LIEBHERR

CONSTRUCTION EQUIPMENT



[[ECO BLOCK]] LIEBHERR L566 032676-1168 - Front Left Wheel

Sample No: LH0273355

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0273355	LHMC94898	---	---
Sample Date	26 Feb 2024	30 Oct 2018	---	---
Machine Hours	20859	14366	---	---
Oil Hours	1000	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	SEVERE	---	---

FINKBINER EQUIPMENT CO.

15 W 400 N FRONTAGE RD

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US 60527

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OIL CONDITION

Visc @ 40°C	cSt	135	161.9	---	---
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CONTAMINATION

Water	%	NEG	0.079	---	---
Silicon	ppm	30	184	---	---
Sodium	ppm	3	6	---	---
Potassium	ppm	<1	4	---	---



WEAR METALS

Iron	ppm	389	5152	---	---
Copper	ppm	2	27	---	---
Lead	ppm	0	0	---	---
Tin	ppm	1	0	---	---
Aluminum	ppm	3	20	---	---
Chromium	ppm	16	107	---	---
Molybdenum	ppm	29	199	---	---
Nickel	ppm	<1	6	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	3	56	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	12	27	---	---
Magnesium	ppm	0	10	---	---
Zinc	ppm	0	38	---	---
Phosphorus	ppm	880	1248	---	---
Barium	ppm	0	4	---	---
Boron	ppm	47	2	---	---

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. The chromium level has decreased, but is still abnormal. All other component wear rates are normal. Elemental level of silicon (Si) above normal. The condition of the oil is acceptable for the time in service.

Depot: LEC0033

Unique No: 10950654

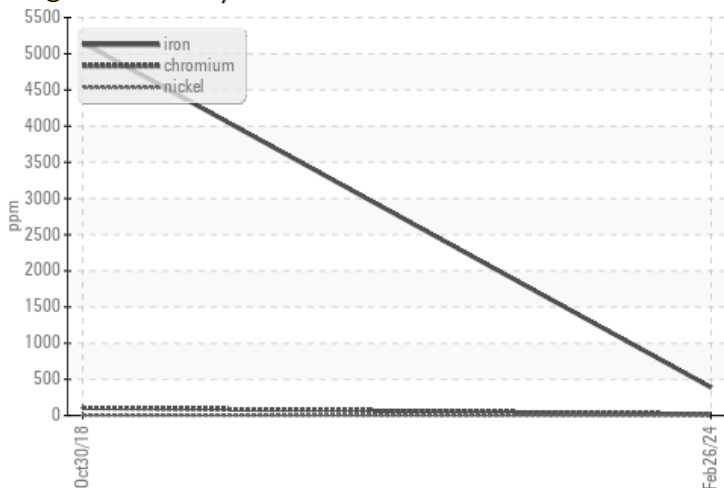
Signed: Don Baldrige

Report Date: 01 Apr 2024

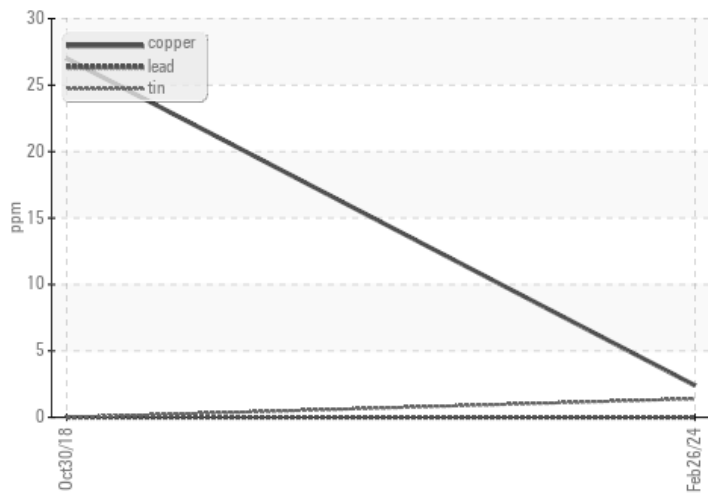


GRAPHS

● Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

