

LIEBHERR

CONSTRUCTION EQUIPMENT



[[ECO BLOCK]] LIEBHERR L566 032676-1168 - Front Right Whe

Sample No: LH0273342

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0273342	LHMC94908	---	---
Sample Date	26 Feb 2024	30 Oct 2018	---	---
Machine Hours	20859	14366	---	---
Oil Hours	1000	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	SEVERE	SEVERE	---	---

FINKBINER EQUIPMENT CO.
 15 W 400 N FRONTAGE RD
 BURR RIDGE, IL
 US 60527
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 T: (815)546-8991
 F: (630)654-3792



OIL CONDITION

Visc @ 40°C	cSt	136	161.0	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	33	194	---	---
Sodium	ppm	3	6	---	---
Potassium	ppm	<1	2	---	---



WEAR METALS

Iron	ppm	455	5615	---	---
Copper	ppm	2	30	---	---
Lead	ppm	0	0	---	---
Tin	ppm	1	0	---	---
Aluminum	ppm	3	20	---	---
Chromium	ppm	21	120	---	---
Molybdenum	ppm	36	221	---	---
Nickel	ppm	<1	6	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	4	62	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	17	27	---	---
Magnesium	ppm	0	9	---	---
Zinc	ppm	3	36	---	---
Phosphorus	ppm	941	1374	---	---
Barium	ppm	0	5	---	---
Boron	ppm	51	1	---	---

Diagnosis

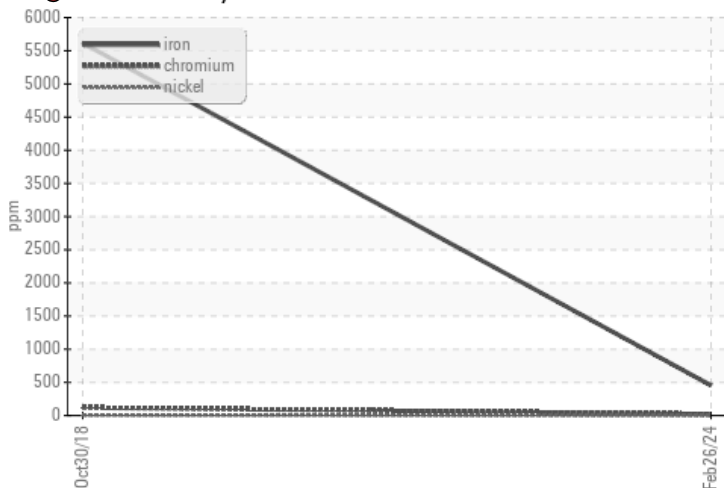
The oil change at the time of sampling has been noted. No corrective action is recommended at this time. We recommend an early resample to monitor this condition. The chromium level has decreased, but is still severe. All other component wear rates are normal. Elemental level of silicon (Si) above normal. The condition of the oil is acceptable for the time in service.

Depot: LEC0033
 Unique No: 10950664
 Signed: Don Baldrige
 Report Date: 01 Apr 2024

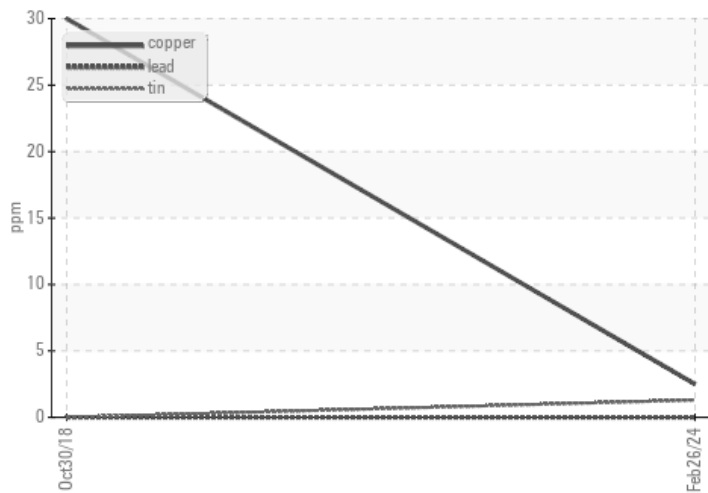


GRAPHS

● Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

