

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R945 055722-1866 - Swing Drive

Sample No: LH0254652

Oil Type: LIEBHERR GEAR BASIC 90 LS



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



SAMPLE INFORMATION

Sample Number	LH0254652	---	---	---
Sample Date	15 Aug 2023	---	---	---
Machine Hours	1076	---	---	---
Oil Hours	1076	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 193	---	---	---
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CONTAMINATION

Silicon	ppm	● 4	---	---	---
Sodium	ppm	● 4	---	---	---
Potassium	ppm	● 0	---	---	---



WEAR METALS

Iron	ppm	● 139	---	---	---
Copper	ppm	● <1	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 3	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 3	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	● 12	---	---	---
Magnesium	ppm	● 5	---	---	---
Zinc	ppm	● 11	---	---	---
Phosphorus	ppm	● 1591	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 0	---	---	---

Diagnosis

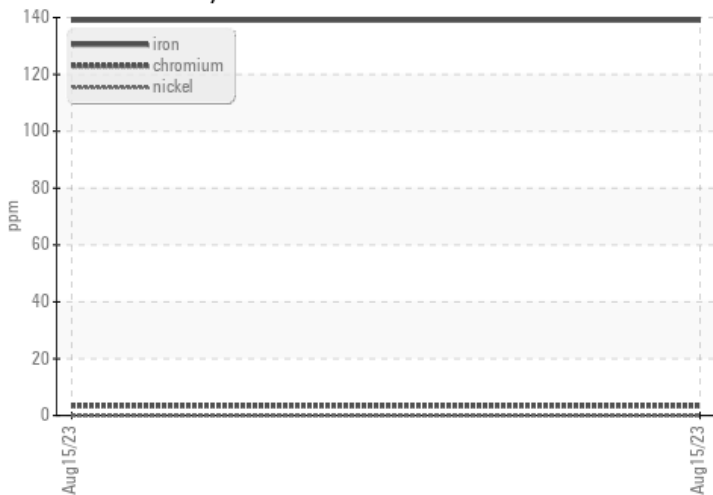
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0033
Unique No: 10632185
Signed: Doug Bogart
Report Date: 05 Sep 2023

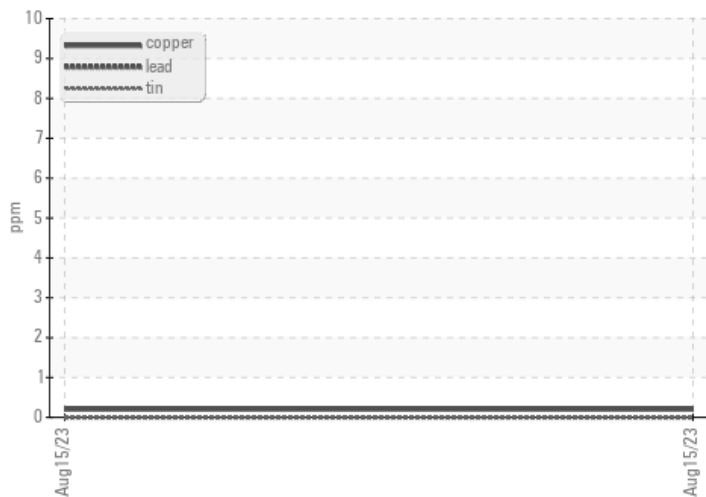


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

