

LIEBHERR

CONSTRUCTION EQUIPMENT



[[BLOOMINGTON IRON]] LIEBHERR A904 030904-710 - Swin

Sample No: LH0267727

Oil Type: LIEBHERR GEAR BASIC 90 LS



RECO EQUIPMENT INC
 8075 PRODUCTION DRIVE
 FLORENCE, KY
 US 41042
 Contact: TRACEY EDGERTON
 tedgerton@recoequip.com
 T:
 F: (859)727-7974



Sample Information

Sample Number	LH0267727	---	---	---
Sample Date	17 Mar 2024	---	---	---
Machine Hours	8958	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---



Oil Condition

Visc @ 40°C	cSt	● 165	---	---	---
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Contamination

Water	%	● 0.639	---	---	---
Silicon	ppm	● 9	---	---	---
Sodium	ppm	● 1	---	---	---
Potassium	ppm	● <1	---	---	---



Wear Metals

Iron	ppm	● 2059	---	---	---
Copper	ppm	● 212	---	---	---
Lead	ppm	● 2	---	---	---
Tin	ppm	● 7	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 13	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 1	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 14	---	---	---
Vanadium	ppm	● 0	---	---	---



Additives

Calcium	ppm	● 34	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 81	---	---	---
Phosphorus	ppm	● 1948	---	---	---
Barium	ppm	● 3	---	---	---
Boron	ppm	● 16	---	---	---

Diagnosis

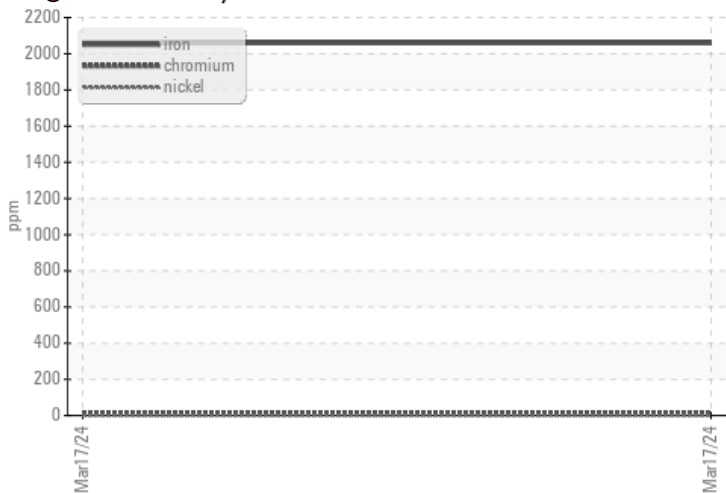
We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The iron level is severe. Gear wear is indicated. There is a moderate concentration of water present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: LEC0082
Unique No: 10996464
Signed: Don Baldrige
Report Date: 29 Apr 2024

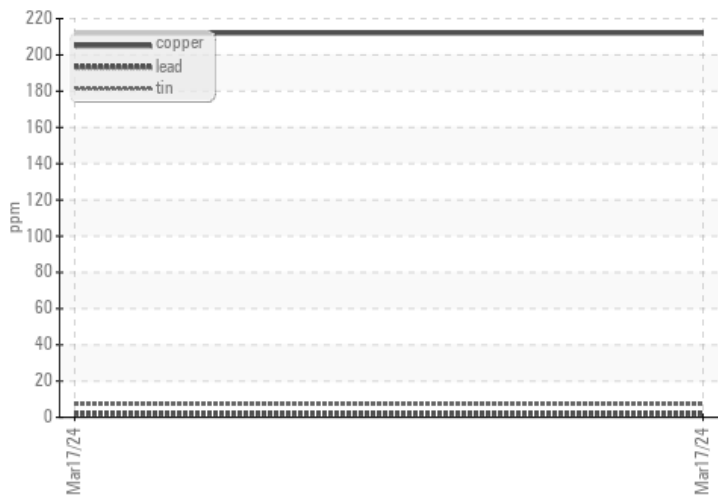


Graphs

● Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

