

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR PR766 027906-1681 - Splitter Box

Sample No: LH0254255

Oil Type: GEAR OIL SAE 90W140



HEAVY MACHINES INC.
 3930 EAST RAINES RD
 MEMPHIS, TN
 US 38118
 Contact: J. DAVIS
 JDAVIS@HEAVY.LLC.COM
 T:
 F: (901)260-2245



SAMPLE INFORMATION

Sample Number	LH0254255	---	---	---
Sample Date	07 Mar 2024	---	---	---
Machine Hours	882	---	---	---
Oil Hours	882	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 341	---	---	---
-------------	-----	-------	-----	-----	-----



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 40	---	---	---
Sodium	ppm	● 7	---	---	---
Potassium	ppm	● 1	---	---	---



WEAR METALS

Iron	ppm	● 18	---	---	---
Copper	ppm	● <1	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 2	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	● 73	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 39	---	---	---
Phosphorus	ppm	● 1053	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	<1	---	---	---

Diagnosis

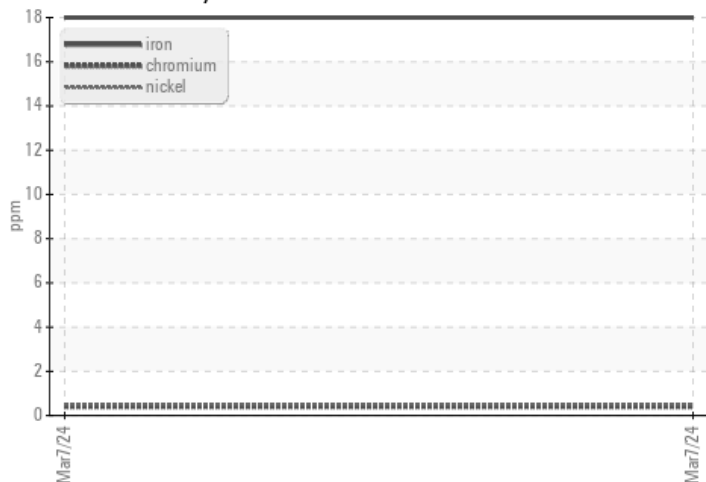
No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

Depot: LEC0051
 Unique No: 10938148
 Signed: Don Baldrige
 Report Date: 22 Mar 2024

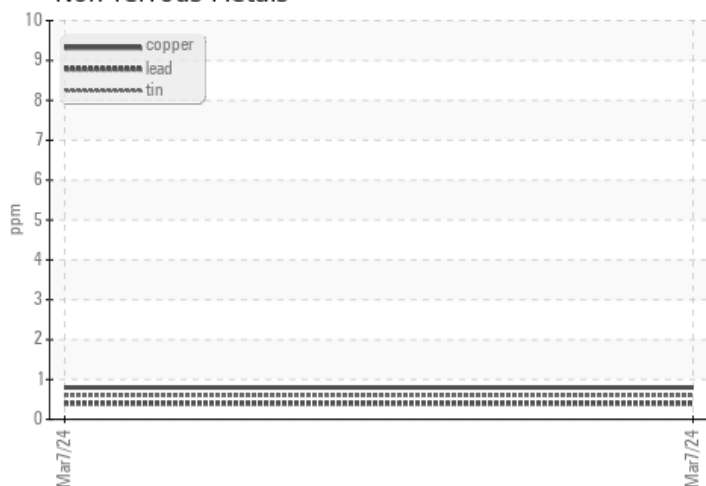


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

