

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR PR766 027905-1681- Splitter Box

Sample No: LH0254249

Oil Type: GEAR OIL SAE 140



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	LH0254249	LH0254463	---	---
Sample Date	14 Mar 2024	13 Feb 2024	---	---
Machine Hours	1016	346	---	---
Oil Hours	1016	346	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	366	367	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	36	61	---	---
Sodium	ppm	7	8	---	---
Potassium	ppm	1	0	---	---



WEAR METALS

Iron	ppm	10	18	---	---
Copper	ppm	<1	2	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	2	0	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	2	1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	35	28	---	---
Magnesium	ppm	3	0	---	---
Zinc	ppm	23	2	---	---
Phosphorus	ppm	1078	1157	---	---
Barium	ppm	7	0	---	---
Boron	ppm	6	0	---	---

Diagnosis

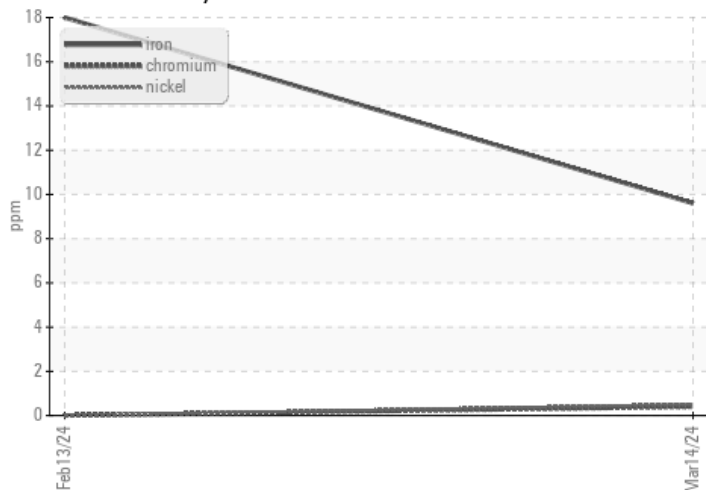
No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

Depot: LEC0051
 Unique No: 10938147
 Signed: Don Baldrige
 Report Date: 22 Mar 2024

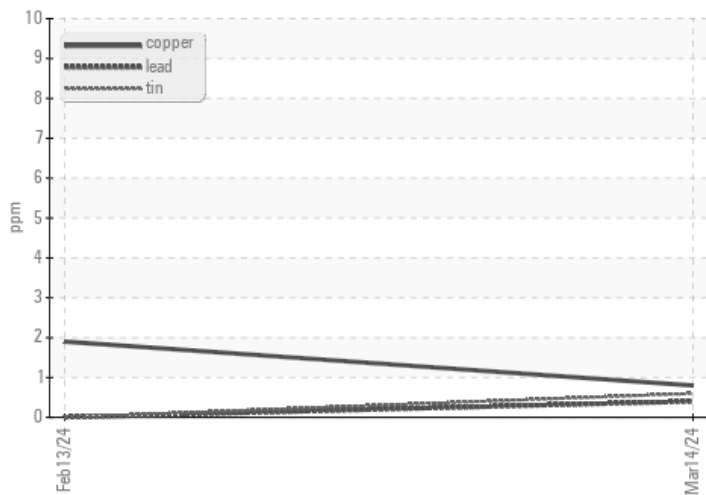


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

