

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR PR766 027906-1681 - Splitter Box

Sample No: LH0264295

Oil Type: GEAR OIL SAE 80W90



Sample Information

Sample Number	LH0264295	LH0254474	LH0254549	LH0254255
Sample Date	31 May 2024	01 May 2024	03 Apr 2024	07 Mar 2024
Machine Hours	2848	2148	1518	882
Oil Hours	2848	2148	1518	882
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

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



Oil Condition

Visc @ 40°C	cSt	181	312	299	341



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	24	26	40
Sodium	ppm	4	7	8	7
Potassium	ppm	<1	1	0	1



Wear Metals

Iron	ppm	30	21	19	18
Copper	ppm	2	0	<1	<1
Lead	ppm	<1	0	0	<1
Tin	ppm	<1	0	0	<1
Aluminum	ppm	2	0	0	2
Chromium	ppm	<1	0	0	<1
Molybdenum	ppm	<1	0	0	<1
Nickel	ppm	<1	0	0	<1
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	1	1	2
Vanadium	ppm	0	0	0	<1



Additives

Calcium	ppm	98	167	131	73
Magnesium	ppm	1	5	<1	2
Zinc	ppm	123	88	69	39
Phosphorus	ppm	1703	1172	1112	1053
Barium	ppm	0	0	0	0
Boron	ppm	12	0	0	<1

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

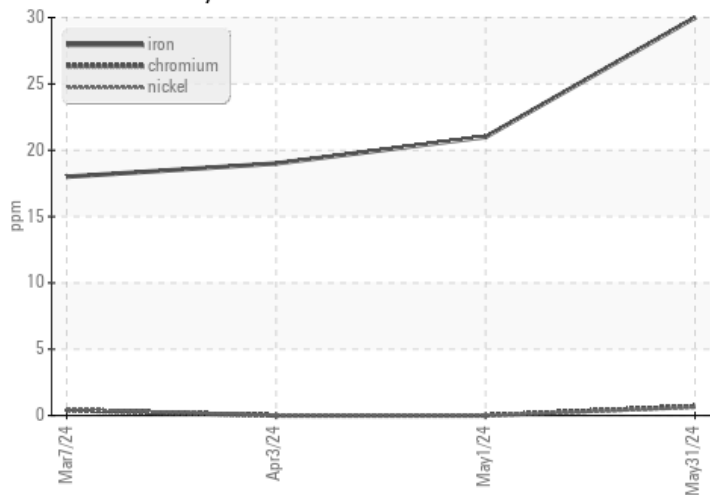
All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0051
 Unique No: 11084980
 Signed: Wes Davis
 Report Date: 18 Jun 2024

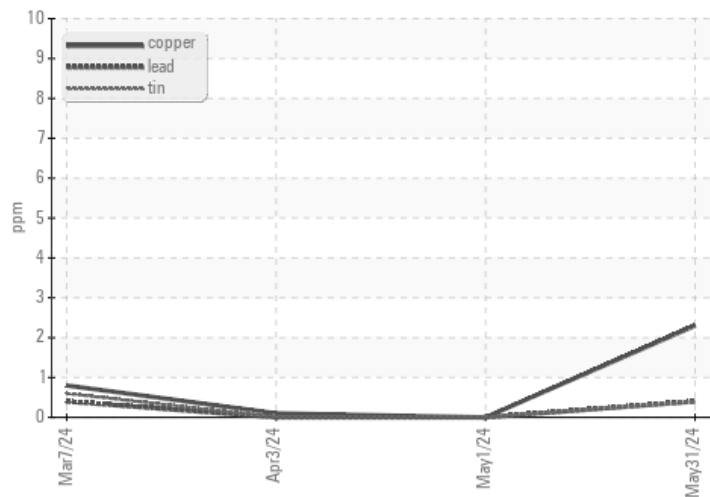


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

