

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR PR766 027905-1681- Splitter Box

Sample No: LH0254539
 Oil Type: GEAR OIL SAE 140



HEAVY MACHINES INC.
 3930 EAST RAINES RD
 MEMPHIS, TN
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Sample Information

Sample Number	LH0254539	LH0264290	LH0254557	LH0254249
Sample Date	21 Jun 2024	22 May 2024	09 Apr 2024	14 Mar 2024
Machine Hours	3096	2389	1627	1016
Oil Hours	703	2389	1627	1016
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	ABNORMAL



Oil Condition

Visc @ 40°C	cSt	355	365	365	366
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Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	25	30	36
Sodium	ppm	4	5	7	7
Potassium	ppm	<1	2	0	1



Wear Metals

Iron	ppm	9	10	10	10
Copper	ppm	5	7	3	<1
Lead	ppm	0	0	0	<1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	0	<1	0	2
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	2	1	2
Vanadium	ppm	0	0	0	<1



Additives

Calcium	ppm	98	30	33	35
Magnesium	ppm	4	<1	<1	3
Zinc	ppm	51	39	21	23
Phosphorus	ppm	1189	1188	1167	1078
Barium	ppm	2	4	8	7
Boron	ppm	0	<1	0	6

Diagnosis

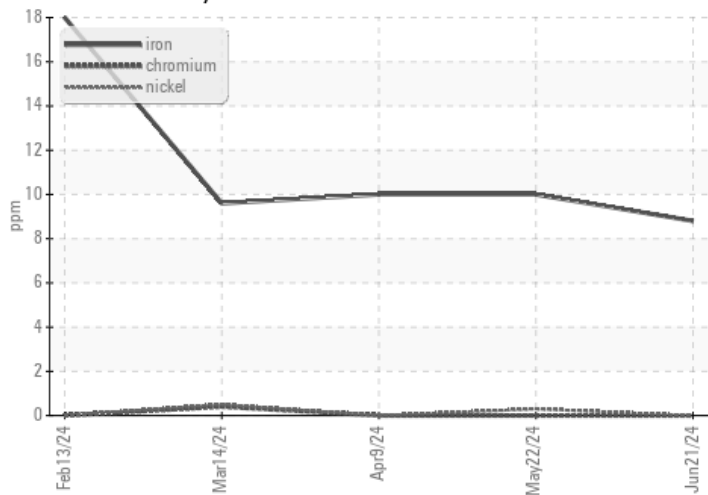
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0051
 Unique No: 11127074
 Signed: Wes Davis
 Report Date: 17 Jul 2024

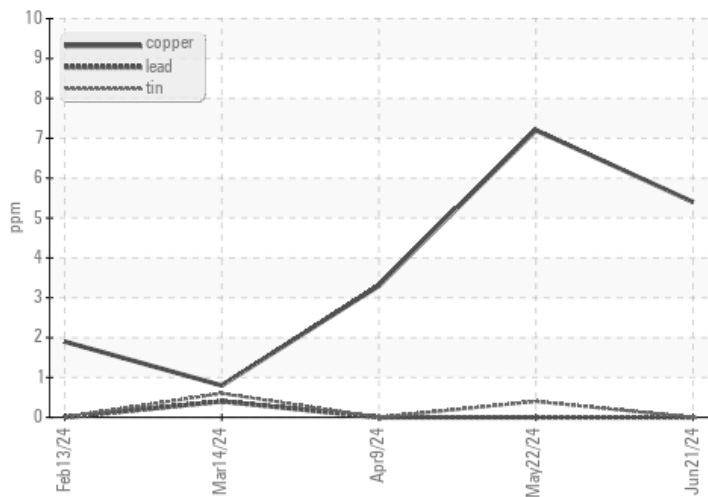


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

