

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 1216-109092 - Transmission

Sample No: LH0254666

Oil Type: MOBIL DELVAC 1 5W40



AHLSTROM-MUNKSJO NA SPECIALTY
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 KAUKAUNA, WI
 US 54130
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 T:
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Sample Information

Sample Number	LH0254666	LHMC149935	LHMC163405	LHMC88127
Sample Date	15 May 2024	13 Apr 2023	11 Oct 2022	07 Oct 2019
Machine Hours	16447	14565	12880	2525
Oil Hours	1882	522	1025	527
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



Oil Condition

Visc @ 40°C	cSt	47.6	49.0	49.9	50.3
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Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	3	4	4
Sodium	ppm	0	1	1	12
Potassium	ppm	2	0	<1	2



Wear Metals

Iron	ppm	22	13	13	23
Copper	ppm	5	4	4	26
Lead	ppm	<1	0	<1	0
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	2	2	3	4
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	47	46	47	0
Nickel	ppm	0	0	<1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	2	2	1	9
Vanadium	ppm	<1	0	0	0



Additives

Calcium	ppm	1005	997	1028	1799
Magnesium	ppm	856	894	885	562
Zinc	ppm	1210	1254	1273	926
Phosphorus	ppm	1100	1081	1105	753
Barium	ppm	0	0	0	0
Boron	ppm	167	152	146	55

Diagnosis

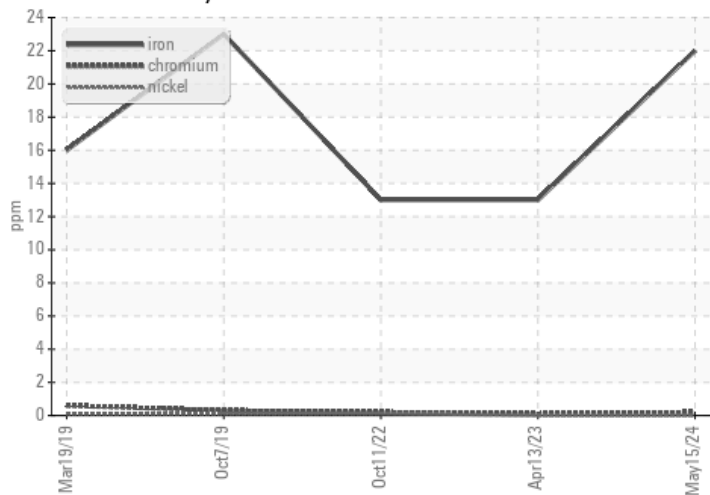
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: AHLKAU
 Unique No: 11036692
 Signed: Don Baldrige
 Report Date: 22 May 2024

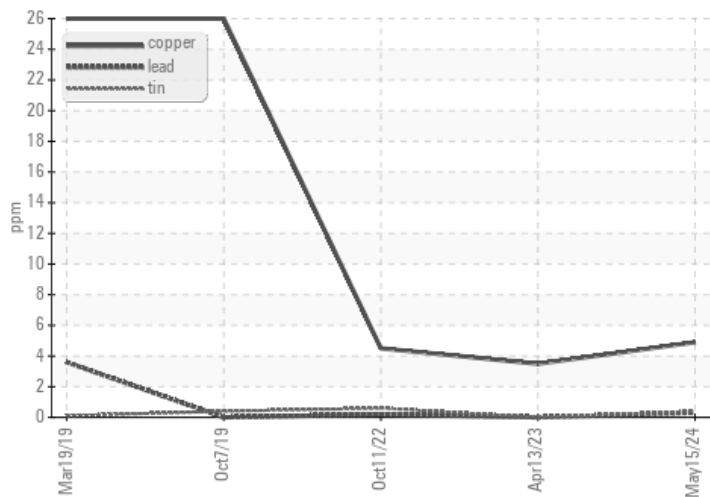


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

