

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 1216-109092 - Swing Drive

Sample No: LH0254664

Oil Type: MOBIL 75W90



AHLSTROM-MUNKSJO NA SPECIALTY
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 KAUKAUNA, WI
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Sample Information

Sample Number	LH0254664	LHMC149926	LHMC163367	LHMC163388
Sample Date	15 May 2024	13 Apr 2023	11 Oct 2022	08 Oct 2019
Machine Hours	16447	14565	12880	2525
Oil Hours	1000	522	10355	2525
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	SEVERE	ABNORMAL	NORMAL



Oil Condition

Visc @ 40°C	cSt	109	105	118	179
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Contamination

Water	%	NEG	NEG	0.519	NEG
Silicon	ppm	4	7	7	1
Sodium	ppm	<1	2	2	5
Potassium	ppm	1	0	<1	1



Wear Metals

Iron	ppm	981	2548	2398	185
Copper	ppm	152	548	461	71
Lead	ppm	<1	4	<1	<1
Tin	ppm	4	11	10	2
Aluminum	ppm	2	4	6	<1
Chromium	ppm	8	19	18	2
Molybdenum	ppm	1	1	1	0
Nickel	ppm	2	2	4	<1
Titanium	ppm	<1	0	<1	0
Silver	ppm	<1	0	0	0
Manganese	ppm	10	15	15	3
Vanadium	ppm	<1	0	<1	0



Additives

Calcium	ppm	9	6	7	14
Magnesium	ppm	<1	<1	1	1
Zinc	ppm	62	245	263	20
Phosphorus	ppm	2420	1838	2070	1996
Barium	ppm	0	0	2	4
Boron	ppm	304	185	166	22

Diagnosis

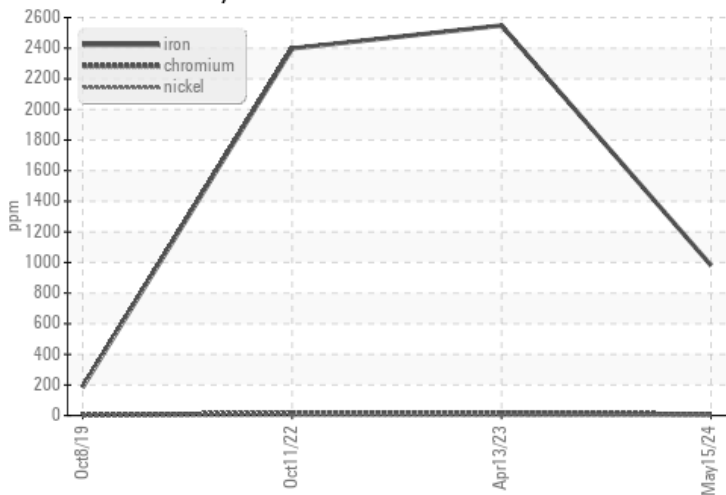
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: AHLKAU
 Unique No: 11036628
 Signed: Sean Felton
 Report Date: 22 May 2024

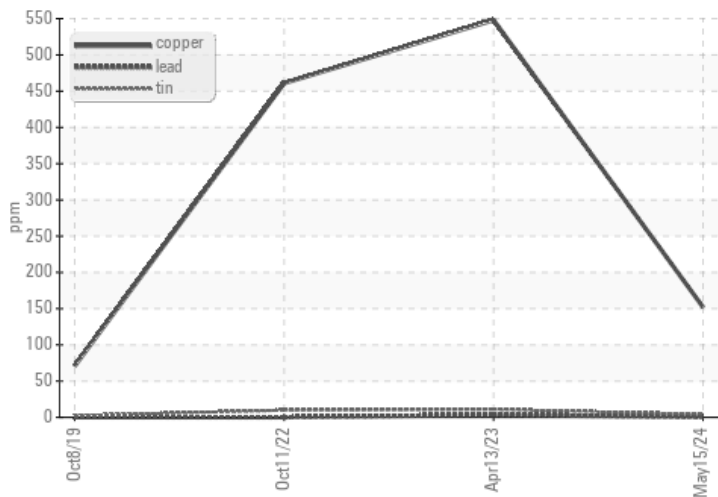


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

