

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 1216-110224 - Splitter Box

Sample No: LHMC163729

Oil Type: MOBIL 1 Synthetic Gear Lubricant LS 75W90



AHLSTROM-MUNKSJO NA SPECIALTY
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 KAUKAUNA, WI
 US 54130
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SAMPLE INFORMATION

Sample Number	LHMC163729	LHMC163404	LHMC163708	LHMC162626
Sample Date	02 Feb 2024	20 Jul 2023	02 Nov 2022	04 Dec 2019
Machine Hours	9264	8255	7069	1700
Oil Hours	1009	1186	1098	637
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	95.3	92.7	86.5	95.9



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	<1	3	1
Sodium	ppm	0	1	1	<1
Potassium	ppm	<1	0	<1	0



WEAR METALS

Iron	ppm	11	44	21	13
Copper	ppm	<1	9	<1	<1
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	1	<1	<1	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	0	<1	0
Titanium	ppm	<1	0	<1	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	10	25	22	44
Magnesium	ppm	<1	7	5	2
Zinc	ppm	8	29	33	41
Phosphorus	ppm	1831	2023	2126	1924
Barium	ppm	0	0	0	0
Boron	ppm	282	271	273	238

Diagnosis

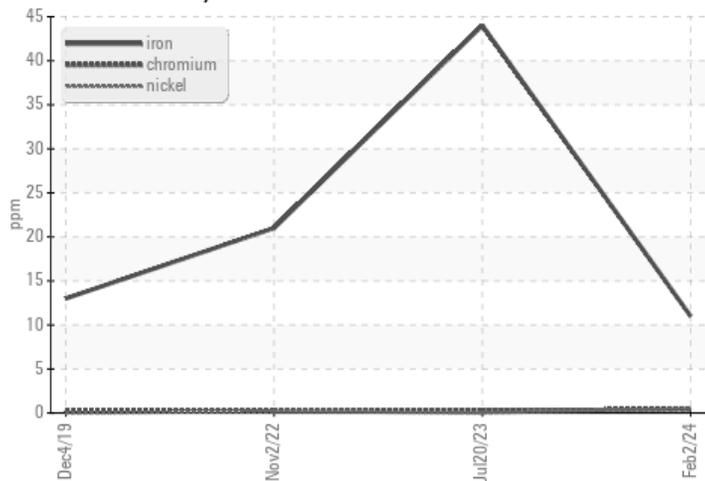
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: AHLKAU
 Unique No: 10884198
 Signed: Don Baldrige
 Report Date: 19 Feb 2024

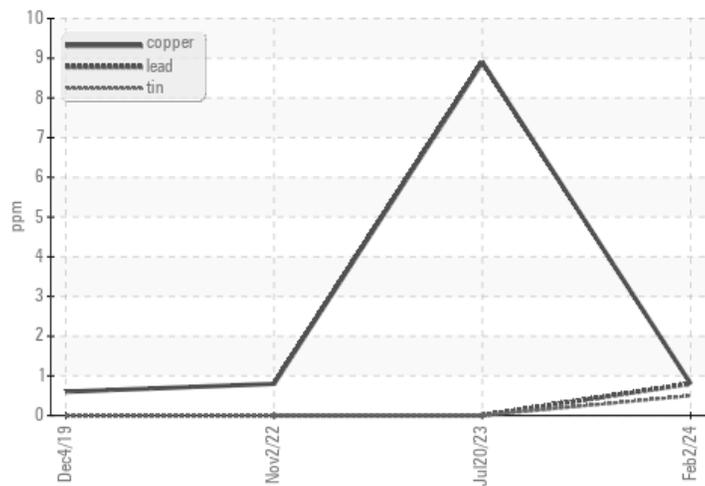


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

