

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A934BHD 023663-935 - Splitter Box

Sample No: LH0263910

Oil Type: GEAR OIL LS 80W90



SAMPLE INFORMATION

Sample Number	LH0263910	LHMC154888	LHMC126384	LHMC132553
Sample Date	03 Jul 2023	19 Sep 2019	12 Oct 2018	31 Jul 2018
Machine Hours	27621	22730	21450	21123
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

WAUSAU STEEL

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 WAUSAU, WI
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OIL CONDITION

Visc @ 40°C	cSt	217	179	194.8	170.0
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CONTAMINATION

Silicon	ppm	17	12	6	23
Sodium	ppm	3	2	2	11
Potassium	ppm	4	12	1	5



WEAR METALS

Iron	ppm	216	170	43	93
Copper	ppm	5	15	5	6
Lead	ppm	0	0	<1	2
Tin	ppm	0	0	0	0
Aluminum	ppm	5	1	<1	3
Chromium	ppm	4	3	<1	1
Molybdenum	ppm	6	0	<1	0
Nickel	ppm	<1	<1	0	0
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	<1	<1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	544	64	6	86
Magnesium	ppm	25	0	<1	2
Zinc	ppm	263	74	30	74
Phosphorus	ppm	501	1663	1864	1670
Barium	ppm	0	0	0	<1
Boron	ppm	10	4	3	12

Diagnosis

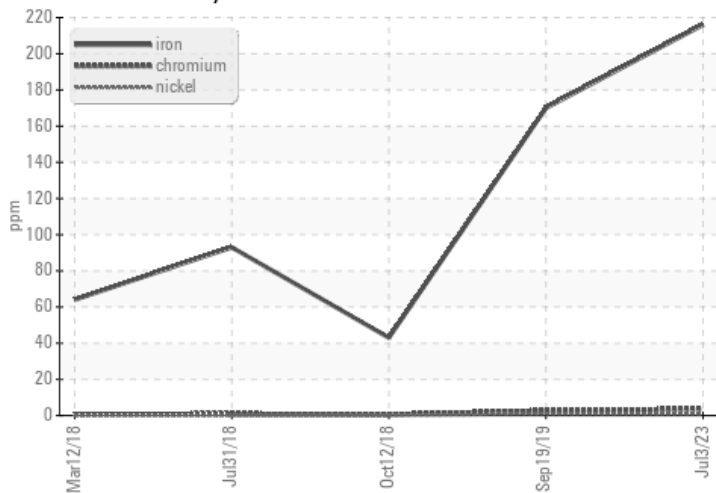
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: WAUWALH
 Unique No: 10559594
 Signed: Don Baldrige
 Report Date: 17 Jul 2023

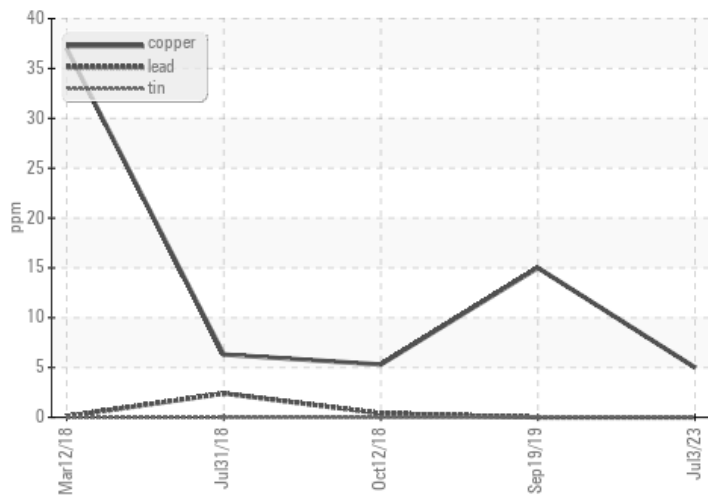


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

