

LIEBHERR

CONSTRUCTION EQUIPMENT



[[KIMMEL]] LIEBHERR LH50M 1216-117 615 - Splitter Box

Sample No: LH06073289

Oil Type: LIEBHERR GEAR BASIC 90 LS



RECO EQUIPMENT INC
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 BRIGHTON, MI
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SAMPLE INFORMATION

Sample Number	LH06073289	LH0243175	LHMC140828	LHMC155614
Sample Date	28 Jan 2024	14 Apr 2023	24 Aug 2021	21 Jun 2021
Machine Hours	1216	6895	3542	3193
Oil Hours	0	1000	500	0
Oil Changed	N/A	Changed	Not Changd	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	● 161	● 149	● 175	● 189
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	● 1	● 3	● <1	● 2
Sodium	ppm	● 1	● 1	● 1	● 3
Potassium	ppm	● 2	● 3	● 3	● 1



WEAR METALS

Iron	ppm	● 26	● 101	● 14	● 14
Copper	ppm	● <1	● 1	● 17	● <1
Lead	ppm	● 0	● <1	● 0	● <1
Tin	ppm	● 0	● 0	● 0	● <1
Aluminum	ppm	● 1	● 2	● 0	● 0
Chromium	ppm	● <1	● 1	● <1	● <1
Molybdenum	ppm	● 0	● 0	● 0	● <1
Nickel	ppm	● 0	● <1	● <1	● <1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	● 1	● 2	● 0	● <1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	● 76	● 135	● 29	● 19
Magnesium	ppm	● 2	● 3	● 0	● 2
Zinc	ppm	● 91	● 117	● 5	● 24
Phosphorus	ppm	● 1994	● 1952	● 2098	● 2189
Barium	ppm	● 0	● 0	● 0	● 0
Boron	ppm	● 3	● 10	● 55	● 43

Diagnosis

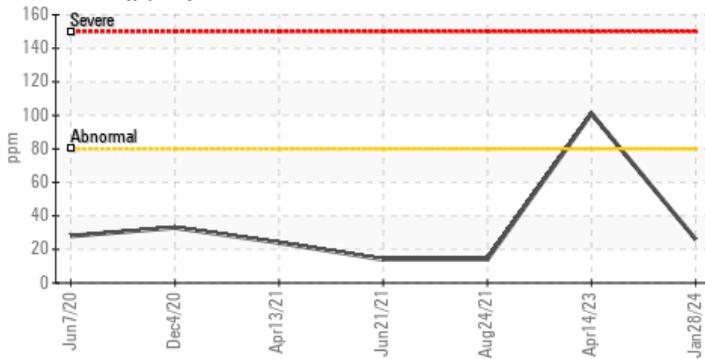
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: RECBRILH
Unique No: 10849966
Signed: Wes Davis
Report Date: 30 Jan 2024

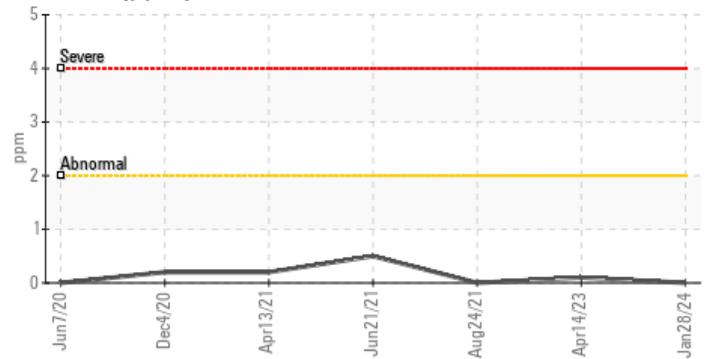


GRAPHS

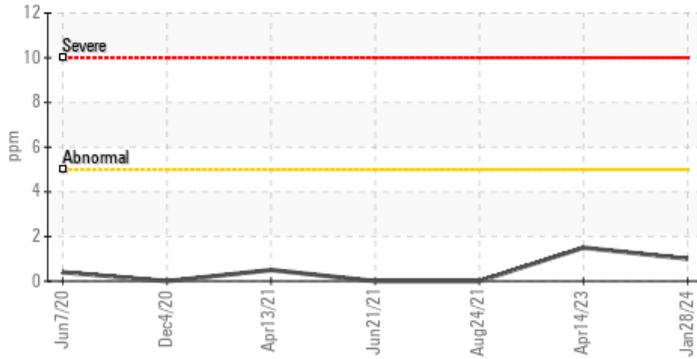
Iron (ppm)



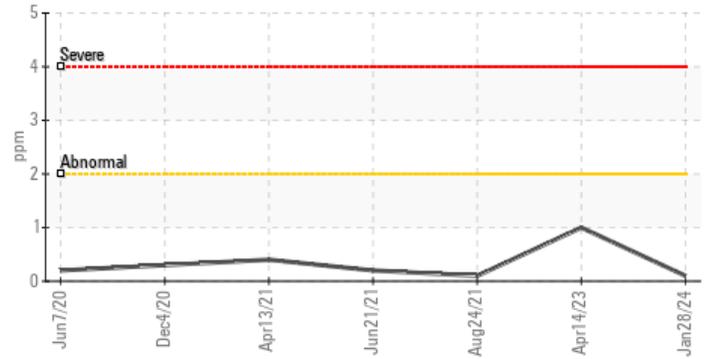
Lead (ppm)



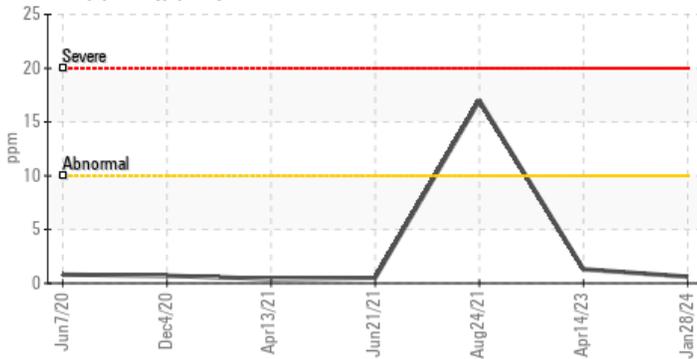
Aluminum (ppm)



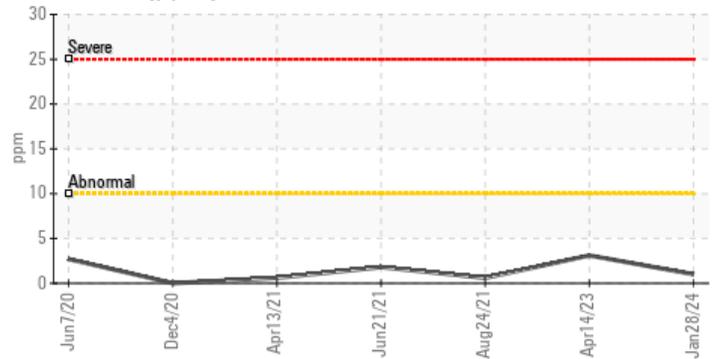
Chromium (ppm)



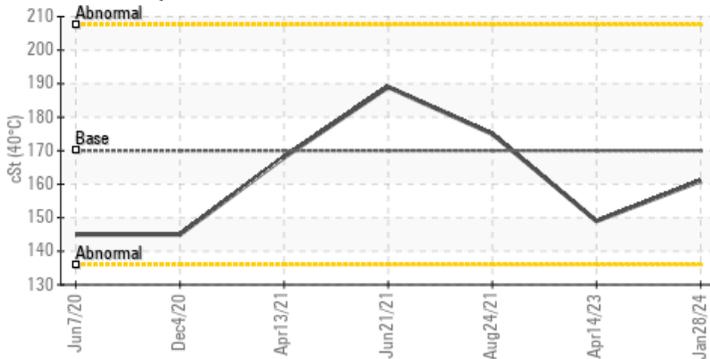
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

