

LIEBHERR

CONSTRUCTION EQUIPMENT



[(361220)] LIEBHERR LH50M 134706-1216 - Splitter Box

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LH	LH	LH0278551	LH
Sample Date	07 May 2024	15 Feb 2024	08 Dec 2023	12 Sep 2023
Machine Hours	0	5100	4636	4000
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ATTENTION	NORMAL

Industrial Metals

550 Messier St.
Winnipeg, MB
CA R2J 0G5
Contact: Service Manager



Oil Condition

Visc @ 40°C	cSt	153	166	173	176
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T:
F:



Contamination

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

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.



Wear Metals

Iron	ppm	41	21	21	20
Copper	ppm	1	1	2	2
Lead	ppm	<1	0	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	1	1	1
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	0	<1	0	0
Nickel	ppm	0	<1	0	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	0	0	<1
Vanadium	ppm	0	0	0	0



Additives

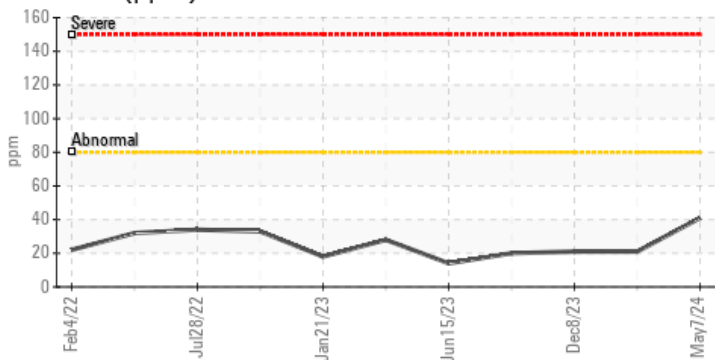
Calcium	ppm	54	48	24	16
Magnesium	ppm	2	11	2	2
Zinc	ppm	91	70	40	22
Phosphorus	ppm	2052	2156	2183	2344
Barium	ppm	0	0	<1	0
Boron	ppm	2	2	4	7

Depot: IND550WIN
Unique No: 5775829
Signed: Wes Davis
Report Date: 10 May 2024

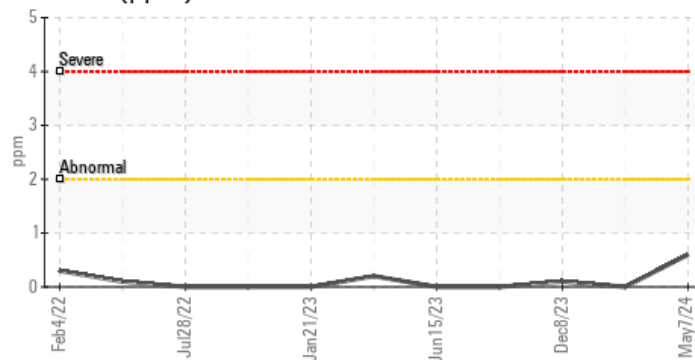


Graphs

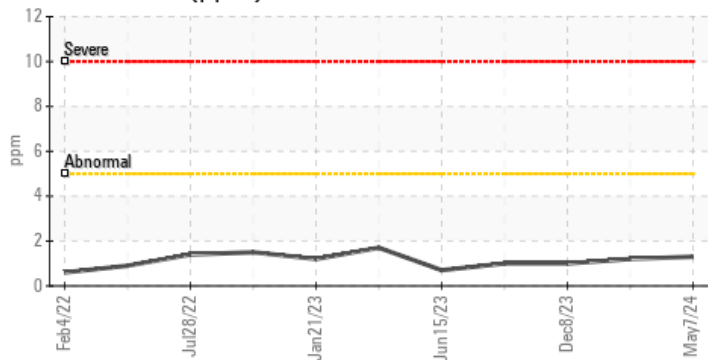
Iron (ppm)



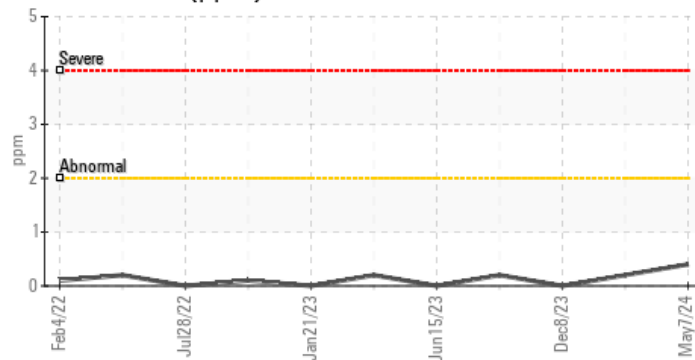
Lead (ppm)



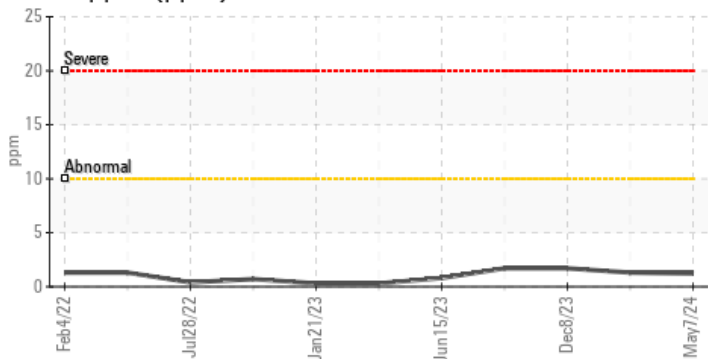
Aluminum (ppm)



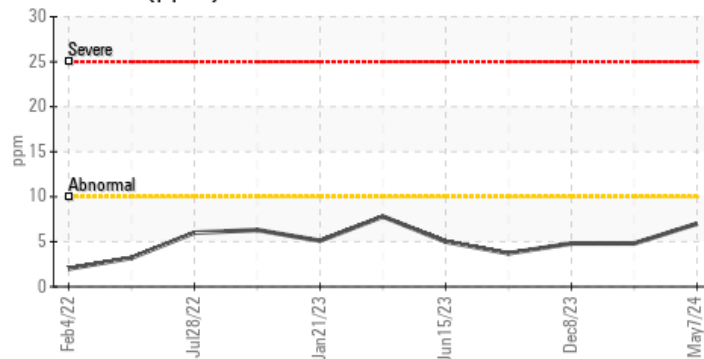
Chromium (ppm)



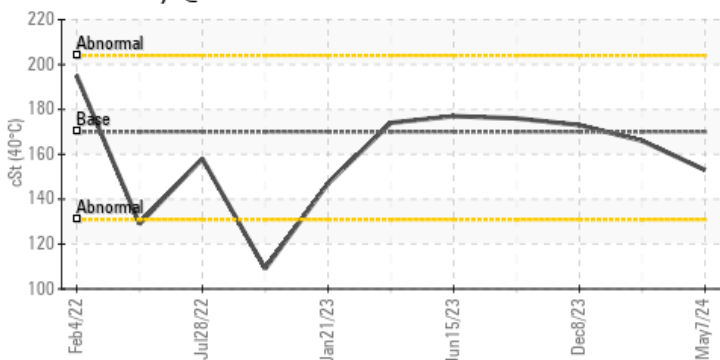
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

