

LIEBHERR

CONSTRUCTION EQUIPMENT



[(361220)] LIEBHERR LH50M 134706-1216 - Rear Differential

Sample No: LH

Oil Type: GEAR OIL SAE 80W90



Sample Information

Sample Number	LH	LH	LH	LH0250103
Sample Date	17 Jun 2024	15 Feb 2024	12 Sep 2023	27 Mar 2023
Machine Hours	5960	5100	4000	2020
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Industrial Metals

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



Oil Condition

Visc @ 40°C	cSt	182	188	178	179

T:
F:



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	2	2	1
Sodium	ppm	1	1	4	4
Potassium	ppm	<1	<1	<1	<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	7	9	14	7
Copper	ppm	1	2	3	2
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	0
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



Additives

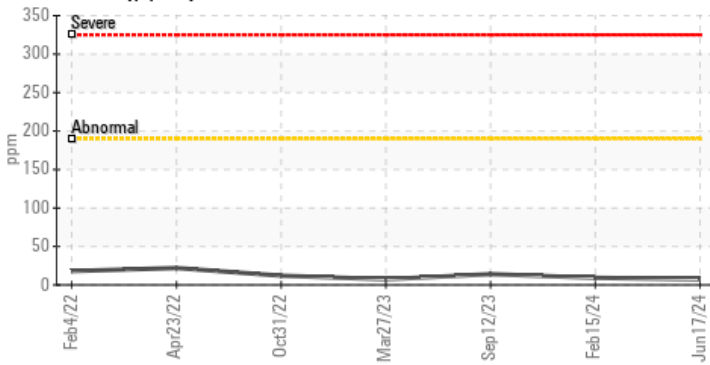
Calcium	ppm	3	7	20	18
Magnesium	ppm	<1	2	<1	<1
Zinc	ppm	4	6	9	10
Phosphorus	ppm	2397	2305	2376	2451
Barium	ppm	0	0	0	0
Boron	ppm	<1	<1	2	1

Depot: IND550WIN
Unique No: 5800556
Signed: Wes Davis
Report Date: 19 Jun 2024

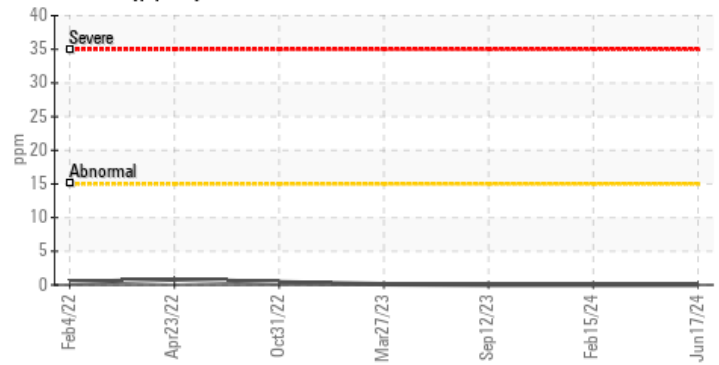


Graphs

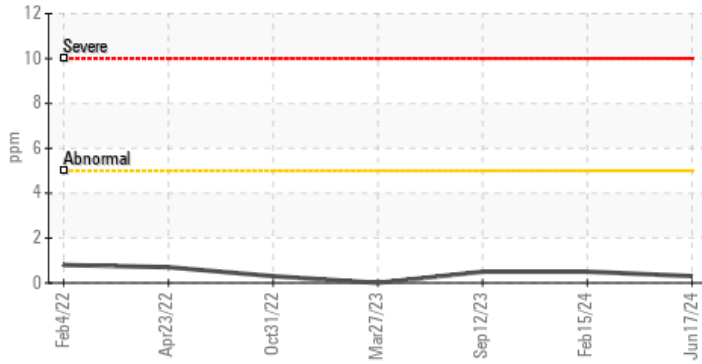
Iron (ppm)



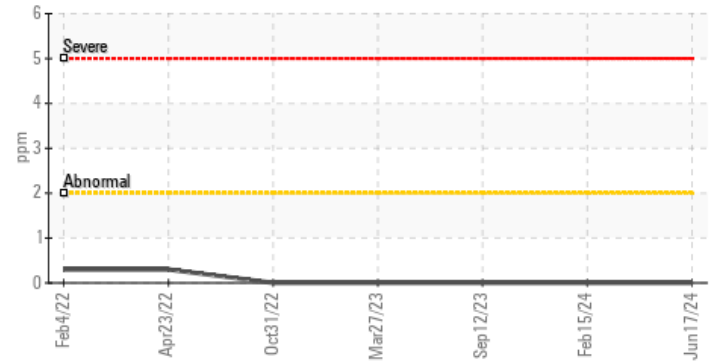
Lead (ppm)



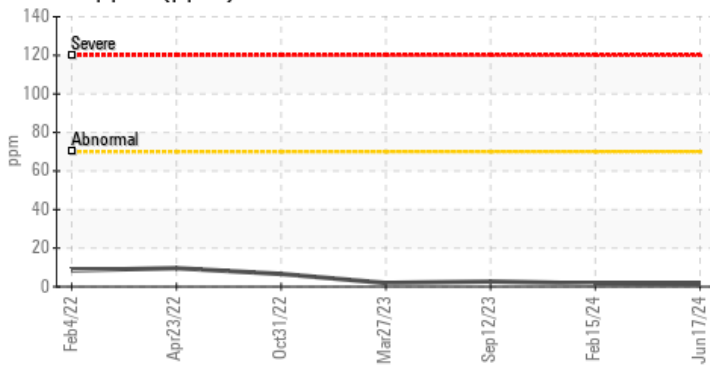
Aluminum (ppm)



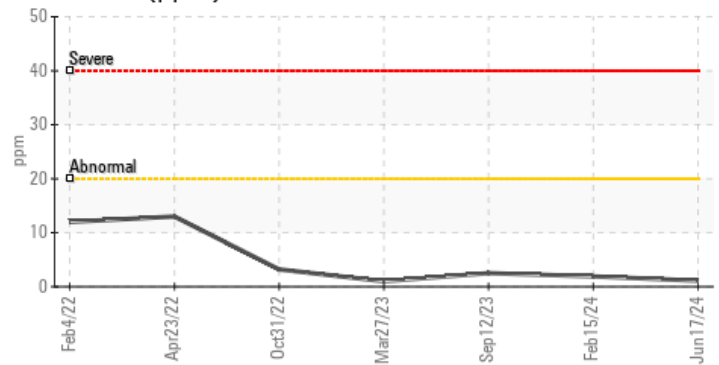
Chromium (ppm)



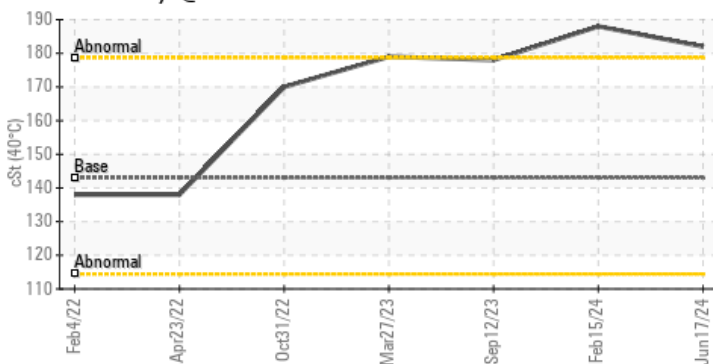
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

