

# 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	LH0278551	LH	LH0234444
Sample Date	15 Feb 2024	08 Dec 2023	12 Sep 2023	15 Jun 2023
Machine Hours	5100	4636	4000	3528
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	ATTENTION	NORMAL	NORMAL

#### Industrial Metals

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



#### OIL CONDITION

Visc @ 40°C	cSt	166	173	176	177
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T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	5	4	5
Sodium	ppm	1	2	2	2
Potassium	ppm	<1	0	<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	21	21	20	14
Copper	ppm	1	2	2	<1
Lead	ppm	0	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	1	1	<1
Chromium	ppm	<1	0	<1	0
Molybdenum	ppm	<1	0	0	0
Nickel	ppm	<1	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

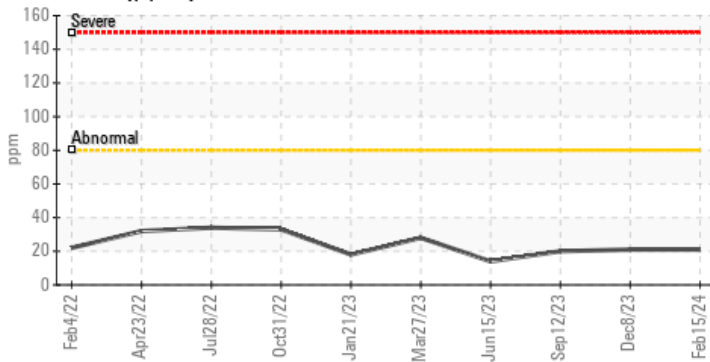
Calcium	ppm	48	24	16	16
Magnesium	ppm	11	2	2	2
Zinc	ppm	70	40	22	10
Phosphorus	ppm	2156	2183	2344	2345
Barium	ppm	0	<1	0	0
Boron	ppm	2	4	7	13

Depot: IND550WIN  
Unique No: 5733875  
Signed: Wes Davis  
Report Date: 20 Feb 2024

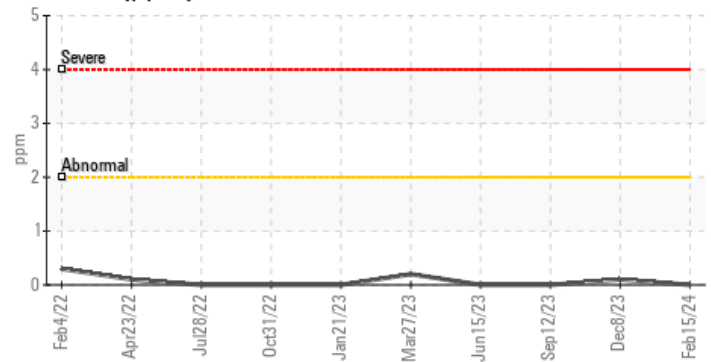


### GRAPHS

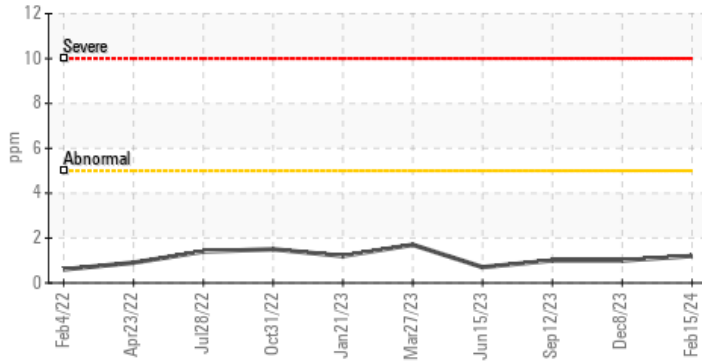
#### Iron (ppm)



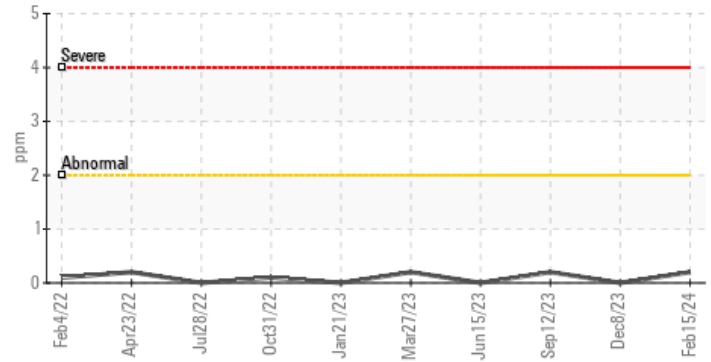
#### Lead (ppm)



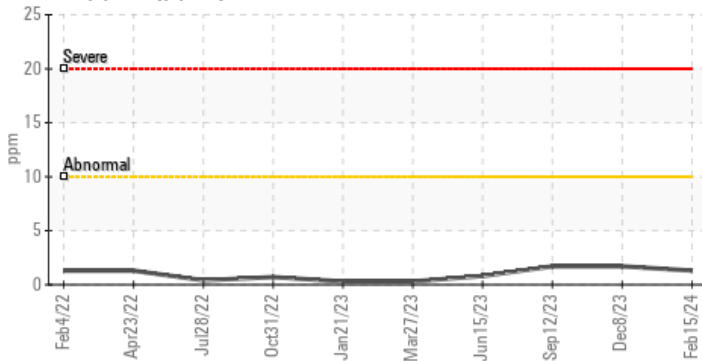
#### Aluminum (ppm)



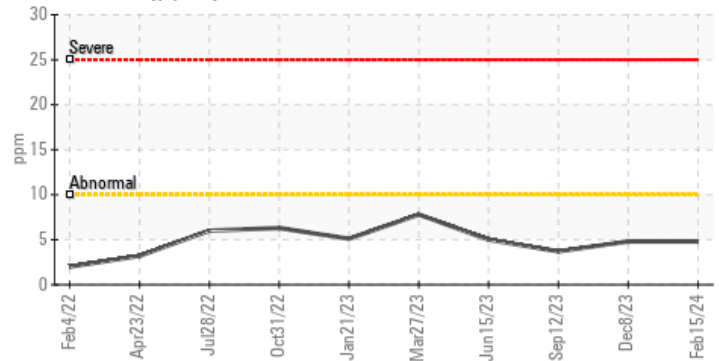
#### Chromium (ppm)



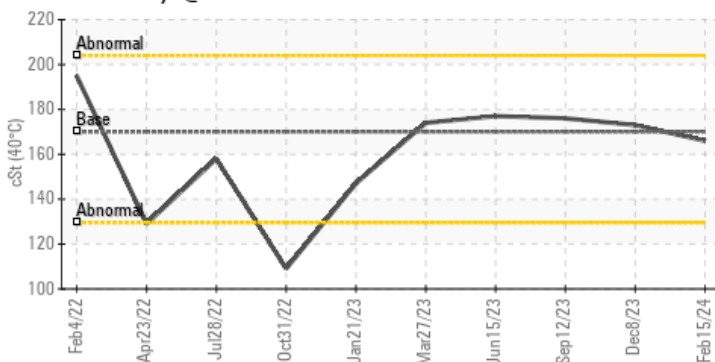
#### Copper (ppm)



#### Silicon (ppm)



#### Viscosity @ 40°C



#### Additives

