

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH60M 1204-75634 - Front Differential

Sample No: LH0243406

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0243406	LH0207663	LH0185373	LHMC133336
Sample Date	10 Aug 2023	16 Mar 2022	27 Aug 2021	06 Dec 2019
Machine Hours	15947	15048	13973	11965
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

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#### OIL CONDITION

Visc @ 40°C	cSt	178	193	191	130
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#### CONTAMINATION

Silicon	ppm	<1	<1	0	3
Sodium	ppm	2	3	2	<1
Potassium	ppm	0	0	<1	7

#### Diagnosis

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



#### WEAR METALS

Iron	ppm	2	2	3	2
Copper	ppm	2	2	6	5
Lead	ppm	0	0	0	1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	0	0
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	2
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	1
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

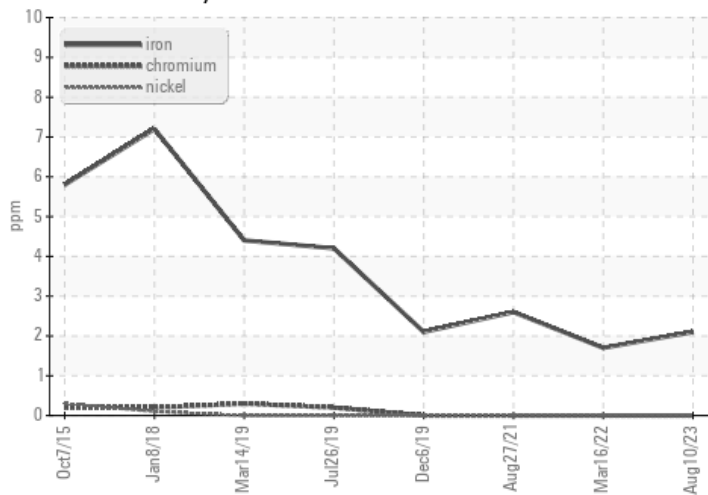
Calcium	ppm	12	4	3	65
Magnesium	ppm	3	0	0	21
Zinc	ppm	0	<1	1	48
Phosphorus	ppm	2282	2304	2498	1408
Barium	ppm	0	0	0	0
Boron	ppm	0	3	39	282

Depot: LEC0008  
 Unique No: 10608946  
 Signed: Don Baldrige  
 Report Date: 22 Aug 2023

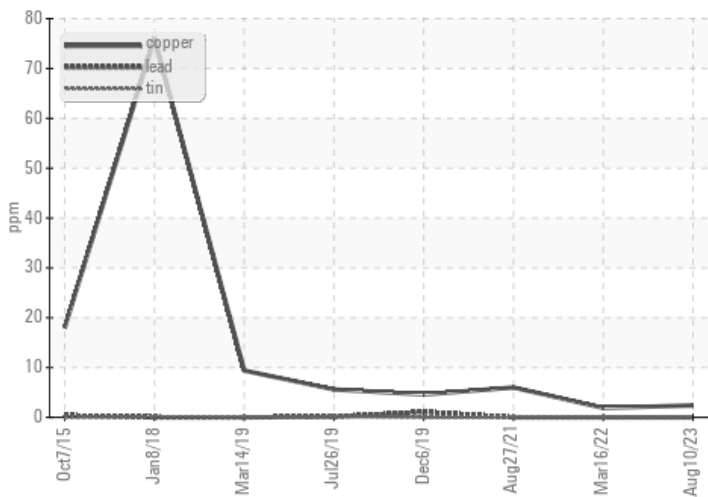


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

