

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A904C071146-1071 - Rear Left Wheel Hub

Sample No: LH0259110

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0259110	LH0254218	LHMC100047	LHMC95688
Sample Date	12 Jun 2023	16 Mar 2023	11 Jan 2016	29 Sep 2015
Machine Hours	12434	12177	1053	517
Oil Hours	2000	500	1053	517
Oil Changed	Changed	Not Changd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

BAY DISPOSAL

2224 SPRINGFIELD AVE
NORFOLK, VA
US 23523
Contact: SERVICE MANAGER



OIL CONDITION

Visc @ 40°C	cSt	111	111	56.38	55.85
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T:
F:



CONTAMINATION

Silicon	ppm	9	9	5	6
Sodium	ppm	4	3	18	22
Potassium	ppm	0	0	2	4

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	6	5	9	9
Copper	ppm	4	3	11	12
Lead	ppm	0	0	<1	0
Tin	ppm	0	<1	0	4
Aluminum	ppm	<1	<1	<1	0
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	<1	0	0
Nickel	ppm	0	0	2	3
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

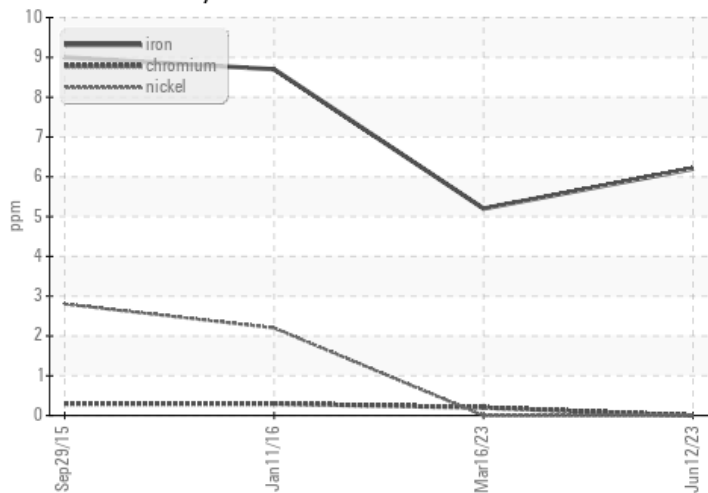
Calcium	ppm	3730	3546	3180	3668
Magnesium	ppm	11	10	8	8
Zinc	ppm	1455	1444	1180	1408
Phosphorus	ppm	1210	1151	1013	1124
Barium	ppm	0	0	<1	0
Boron	ppm	149	114	90	82

Depot: BAYNOR
Unique No: 10548852
Signed: Don Baldrige
Report Date: 11 Jul 2023

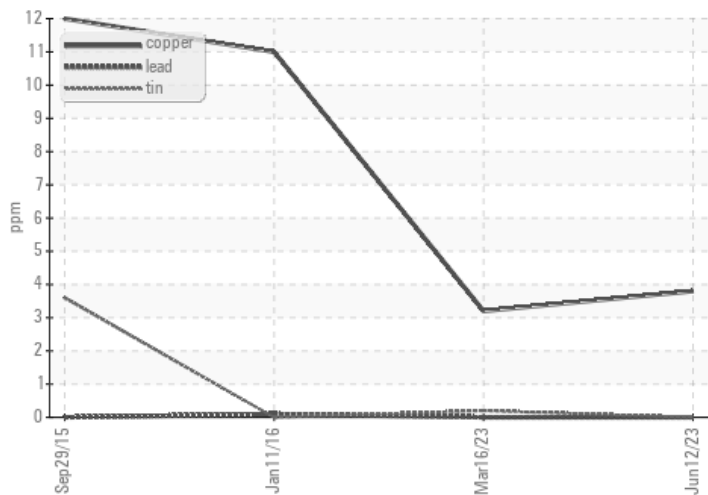


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

