

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A904C071146-1071 - Front Right Wheel Hub

Sample No: LH0259107

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0259107	LH0254217	LHMC100054	LHMC94749
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 Chngd	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	126	112	57.09	57.11
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T:
F:



CONTAMINATION

Silicon	ppm	6	8	4	6
Sodium	ppm	9	6	18	19
Potassium	ppm	0	<1	2	6

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	28	27	42	42
Copper	ppm	11	11	38	40
Lead	ppm	0	<1	<1	1
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	1	1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	<1	0	0
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	<1	1	1
Vanadium	ppm	0	0	0	<1



ADDITIVES

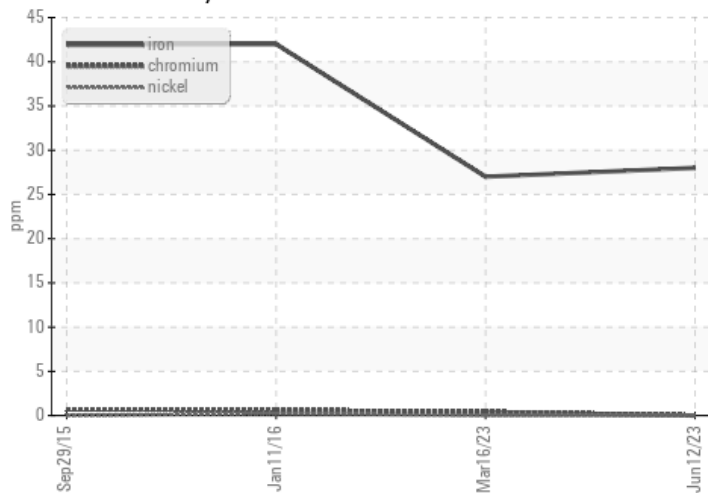
Calcium	ppm	2975	3480	3344	3469
Magnesium	ppm	8	10	8	9
Zinc	ppm	1181	1423	1277	1442
Phosphorus	ppm	1555	1156	1016	1096
Barium	ppm	0	0	<1	<1
Boron	ppm	105	107	88	99

Depot: BAYNOR
Unique No: 10548848
Signed: Don Baldrige
Report Date: 11 Jul 2023

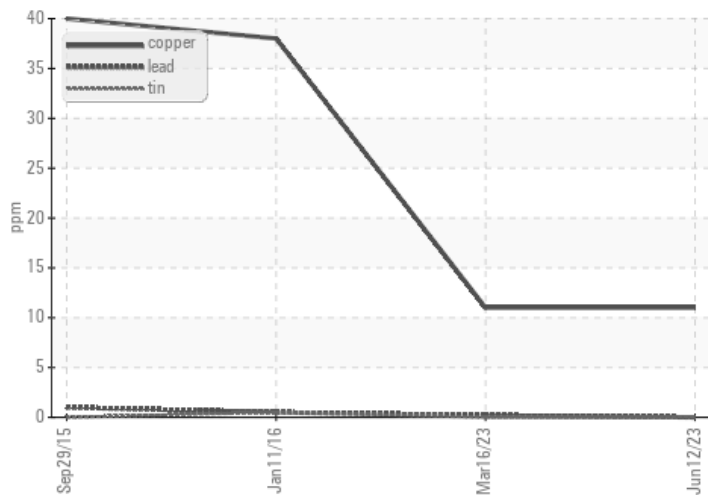


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

