

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A904C071146-1071 - Swing Drive

Sample No: LH0259104

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0259104	LH0254214	LHMC100108	LHMC100029
Sample Date	12 Jun 2023	16 Mar 2023	18 Apr 2016	11 Jan 2016
Machine Hours	12434	12177	1547	1053
Oil Hours	2000	1000	500	500
Oil Changed	Changed	Not Changd	Not Changd	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

BAY DISPOSAL

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



OIL CONDITION

Visc @ 40°C	cSt	190	194	182.7	171.7
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T:
F:



CONTAMINATION

Silicon	ppm	2	2	7	10
Sodium	ppm	2	<1	3	4
Potassium	ppm	0	<1	4	2

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	191	47	106	149
Copper	ppm	88	94	44	34
Lead	ppm	0	0	<1	<1
Tin	ppm	1	<1	0	1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	3	<1	2	3
Vanadium	ppm	0	0	0	0



ADDITIVES

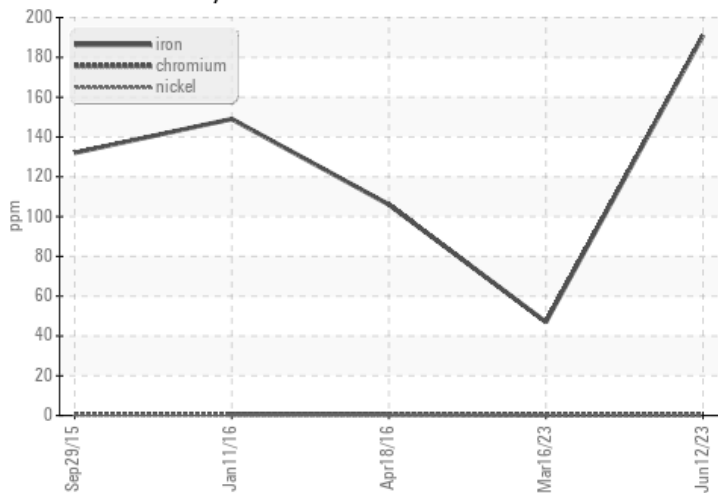
Calcium	ppm	302	285	219	363
Magnesium	ppm	5	3	1	2
Zinc	ppm	127	105	65	108
Phosphorus	ppm	2145	2060	1917	1953
Barium	ppm	0	0	<1	<1
Boron	ppm	6	8	14	18

Depot: BAYNOR
Unique No: 10548834
Signed: Don Baldrige
Report Date: 11 Jul 2023

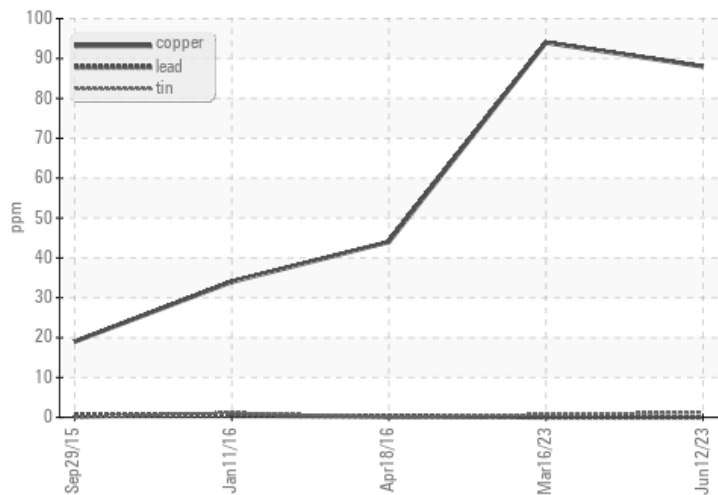


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

