

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A904C071146-1071 - Front Differential

Sample No: LH0259105

Oil Type: LIEBHERR GEAR BASIC 90 LS



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



SAMPLE INFORMATION

Sample Number	LH0259105	LH0254215	LHMC100037	LHMC95965
Sample Date	12 Jun 2023	16 Mar 2023	11 Jan 2016	29 Sep 2015
Machine Hours	12434	12177	1053	517
Oil Hours	2000	1000	500	517
Oil Changed	Changed	Not Changd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	116	115	57.16	57.38
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T:
F:



CONTAMINATION

Silicon	ppm	12	12	9	10
Sodium	ppm	2	2	15	17
Potassium	ppm	0	<1	3	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	7	4	8	12
Copper	ppm	1	<1	2	2
Lead	ppm	0	0	<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	3	4
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	4	5
Vanadium	ppm	0	0	0	0



ADDITIVES

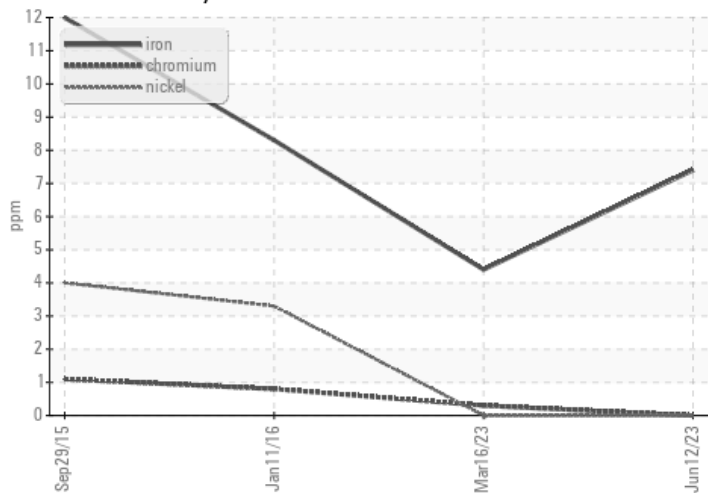
Calcium	ppm	3814	3602	3245	3581
Magnesium	ppm	13	14	9	10
Zinc	ppm	1488	1470	1222	1468
Phosphorus	ppm	1208	1153	1035	1141
Barium	ppm	0	0	1	2
Boron	ppm	151	117	94	110

Depot: BAYNOR
Unique No: 10548854
Signed: Don Baldrige
Report Date: 11 Jul 2023

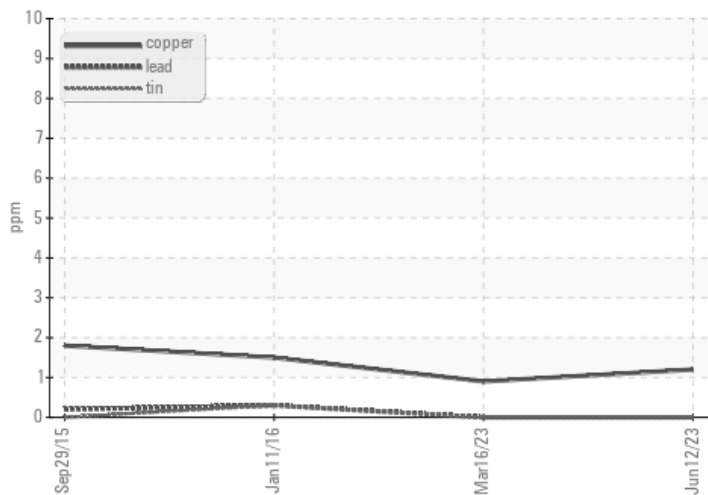


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

