

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH22M 081593-1197 - Swing Drive

Sample No: LH0243842

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0243842	LH0243915	---	---
Sample Date	03 Jun 2023	21 Jan 2023	---	---
Machine Hours	14541	13475	---	---
Oil Hours	2000	1000	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

BAY DISPOSAL

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



OIL CONDITION

Visc @ 40°C	cSt	200	131	---	---
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T:
F:



CONTAMINATION

Water	%	---	0.274	---	---
Silicon	ppm	3	3	---	---
Sodium	ppm	1	14	---	---
Potassium	ppm	0	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 oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	874	515	---	---
Copper	ppm	212	105	---	---
Lead	ppm	0	0	---	---
Tin	ppm	3	2	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	10	7	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	7	5	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

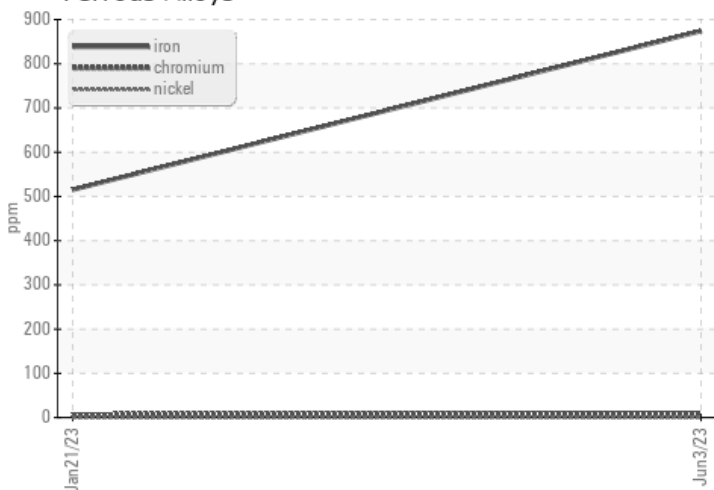
Calcium	ppm	41	8	---	---
Magnesium	ppm	2	<1	---	---
Zinc	ppm	46	37	---	---
Phosphorus	ppm	1885	588	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	1	---	---

Depot: BAYNOR
Unique No: 10548853
Signed: Don Baldrige
Report Date: 11 Jul 2023

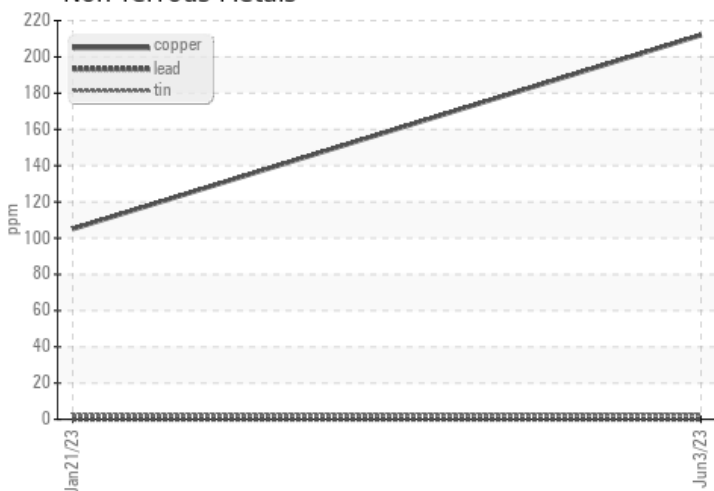


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

