

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R936LC 047283-1490 - Left Final Drive

Sample No: LH0272863

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0272863	LH0268289	---	---
Sample Date	11 Feb 2024	13 Oct 2023	---	---
Machine Hours	3939	3494	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	ATTENTION	ATTENTION	---	---

M&F CONCRETE PRODUCTS CO
 4002 CATLETT RD
 CATLETT, VA
 US 20119
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	324	327	---	---
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	42	39	---	---
Sodium	ppm	5	7	---	---
Potassium	ppm	2	16	---	---

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 oil viscosity is higher than normal. Confirm oil type.



WEAR METALS

Iron	ppm	204	173	---	---
Copper	ppm	0	<1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	12	10	---	---
Chromium	ppm	2	2	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	2	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	2	2	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

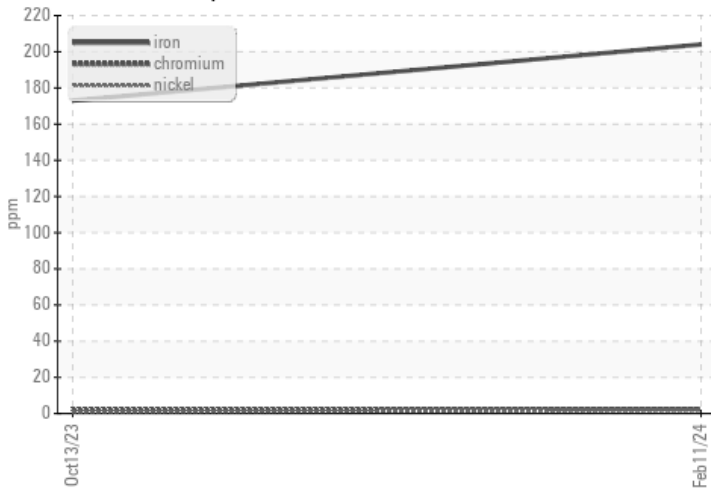
Calcium	ppm	14	18	---	---
Magnesium	ppm	<1	<1	---	---
Zinc	ppm	7	27	---	---
Phosphorus	ppm	1503	1400	---	---
Barium	ppm	3	2	---	---
Boron	ppm	1	1	---	---

Depot: MECCAT
 Unique No: 10940090
 Signed: Don Baldrige
 Report Date: 25 Mar 2024

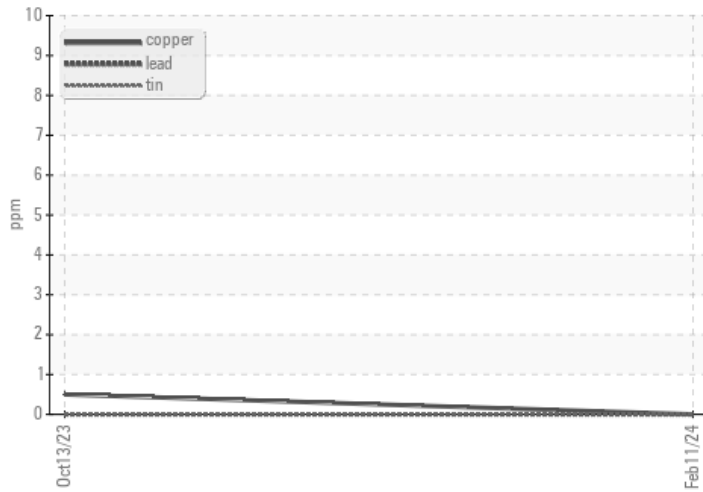


GRAPHS

Ferrous Alloys



Non-ferrous Metals



● Viscosity @ 40°C

