

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH110CP 134678-1228 - Swing Drive

Sample No: LH0244663

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0244663	LH0243292	LH0217055	---
Sample Date	11 Jan 2024	10 Jul 2023	31 May 2022	---
Machine Hours	4973	3458	1000	---
Oil Hours	0	0	1000	---
Oil Changed	Changed	Not Changd	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---

RECO EQUIPMENT INC.

1040 REED DRIVE
 MONROE, OH
 US 45050
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OIL CONDITION

Visc @ 40°C	cSt	186	190	173	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	1	2	5	---
Sodium	ppm	0	1	<1	---
Potassium	ppm	<1	<1	<1	---

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	56	28	49	---
Copper	ppm	80	62	16	---
Lead	ppm	0	0	0	---
Tin	ppm	15	8	<1	---
Aluminum	ppm	2	<1	0	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	<1	0	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

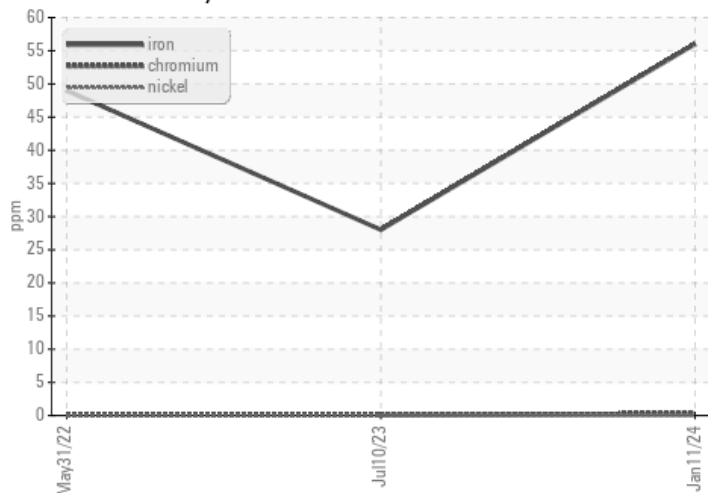
Calcium	ppm	12	9	22	---
Magnesium	ppm	0	2	<1	---
Zinc	ppm	0	10	19	---
Phosphorus	ppm	2334	2547	2253	---
Barium	ppm	0	0	2	---
Boron	ppm	2	5	3	---

Depot: LEC0075
 Unique No: 10832926
 Signed: Don Baldrige
 Report Date: 17 Jan 2024

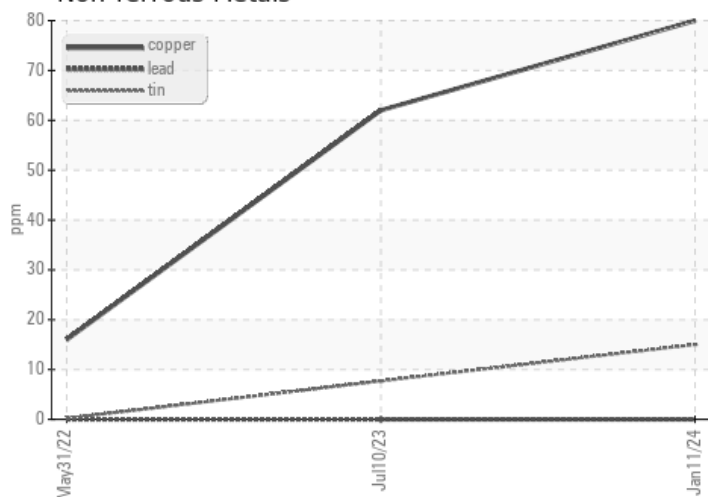


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

