

LIEBHERR

CONSTRUCTION EQUIPMENT



135024 - 2 Swing Drive

Sample No: LH0264482

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0264482	---	---	---
Sample Date	31 Mar 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	● 143	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 20	---	---	---
Sodium	ppm	● 3	---	---	---
Potassium	ppm	● 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	● 46	---	---	---
Copper	ppm	● <1	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

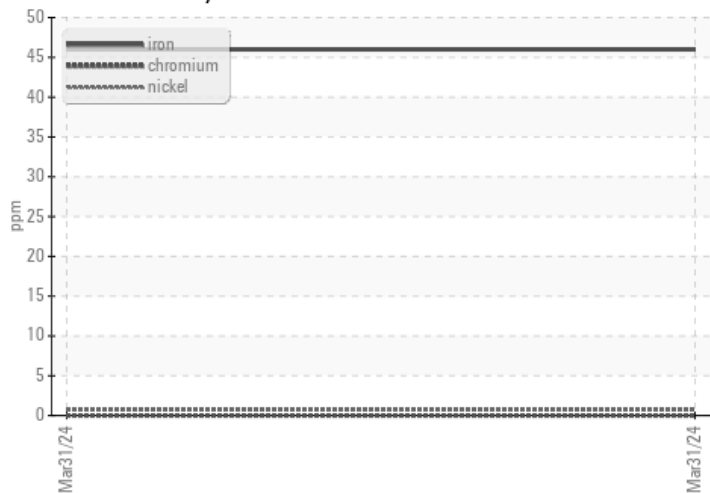
Calcium	ppm	● 16	---	---	---
Magnesium	ppm	● <1	---	---	---
Zinc	ppm	● 14	---	---	---
Phosphorus	ppm	● 1038	---	---	---
Barium	ppm	● 2	---	---	---
Boron	ppm	● 121	---	---	---

Depot: LIEBHERRNZ
Unique No: 10942323
Signed: Jonathan Hester
Report Date: 01 Apr 2024

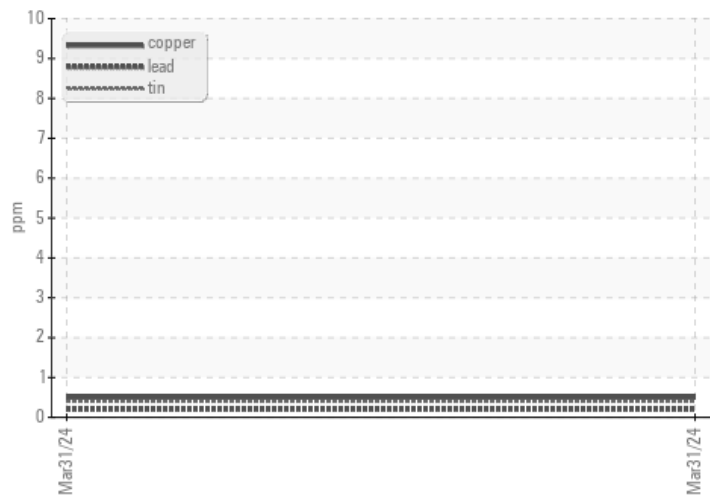


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

