

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH110 1227-155752 - Gearbox

Sample No: LH0267276

Oil Type: GEAR OIL SAE 80W90



KINDER MORGAN
 4301 IVERSON
 TRINITY, AL
 US 35601
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Sample Information

Sample Number	LH0267276	---	---	---
Sample Date	10 Jun 2024	---	---	---
Machine Hours	2998	---	---	---
Oil Hours	969	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---



Oil Condition

Visc @ 40°C	cSt	78.0	---	---	---
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Contamination

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



Wear Metals

Iron	ppm	46	---	---	---
Copper	ppm	12	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	3	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	232	---	---	---
Magnesium	ppm	47	---	---	---
Zinc	ppm	192	---	---	---
Phosphorus	ppm	426	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	9	---	---	---

Diagnosis

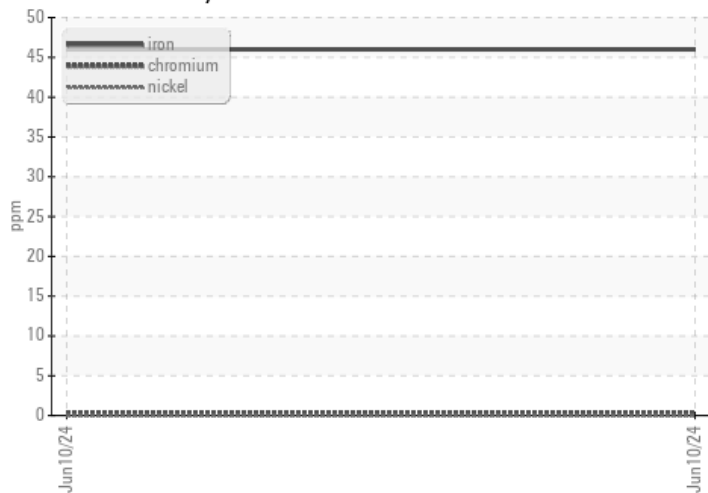
The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Confirm oil type.

Depot: KINTRI
 Unique No: 11089046
 Signed: Jonathan Hester
 Report Date: 24 Jun 2024

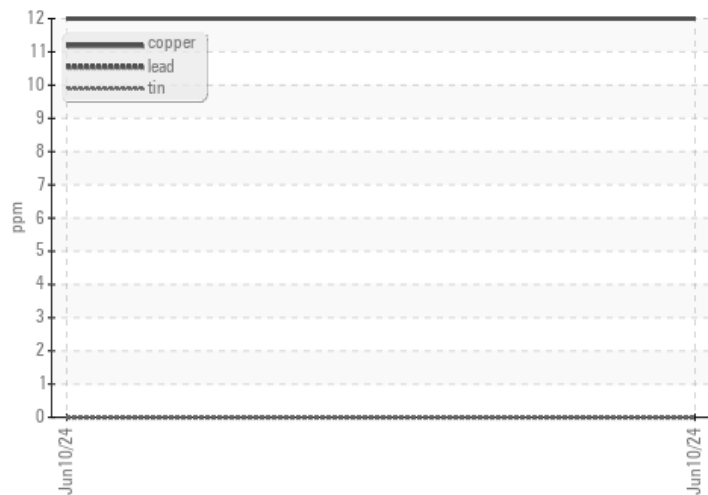


Graphs

Ferrous Alloys



Non-ferrous Metals



● Viscosity @ 40°C

