

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R930 049615-1716 - Right Final Drive

Sample No: LH0243966

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0243966	LH0183114	---	---
Sample Date	12 Jun 2023	02 Oct 2020	---	---
Machine Hours	1685	522	---	---
Oil Hours	1685	522	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

ACECO

10119 RESIDENCY ROAD
MANASSAS, VA
US 20110
Contact: RON BROCK



OIL CONDITION

Visc @ 40°C	cSt	● 194	● 195	---	---
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T: (703)392-0111
F: (703)331-5604



CONTAMINATION

Silicon	ppm	● 7	● 5	---	---
Sodium	ppm	● 4	● 6	---	---
Potassium	ppm	● 3	● 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	● 66	● 45	---	---
Copper	ppm	● 0	● 1	---	---
Lead	ppm	● 0	● 0	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● 1	● 1	---	---
Chromium	ppm	● 3	● 2	---	---
Molybdenum	ppm	● 0	● <1	---	---
Nickel	ppm	● 0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	● 1	● 1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

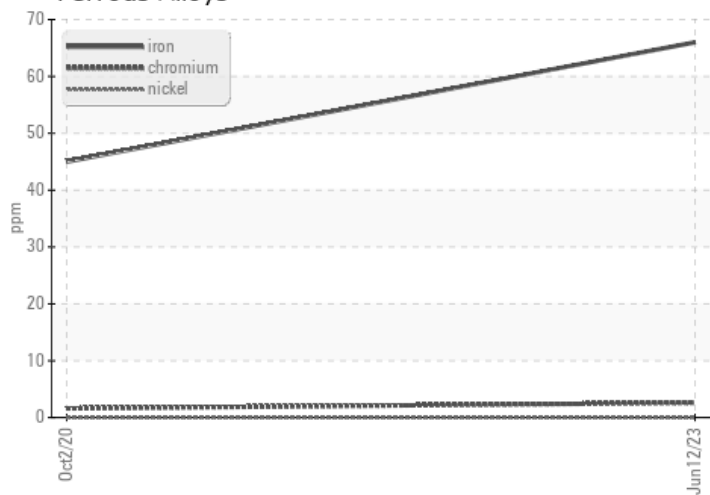
Calcium	ppm	● 10	● 11	---	---
Magnesium	ppm	● 5	● 1	---	---
Zinc	ppm	● 33	● 19	---	---
Phosphorus	ppm	● 1354	● 1384	---	---
Barium	ppm	● 20	● 3	---	---
Boron	ppm	● 1	● 28	---	---

Depot: ACEMAN
Unique No: 10635934
Signed: Don Baldrige
Report Date: 10 Sep 2023

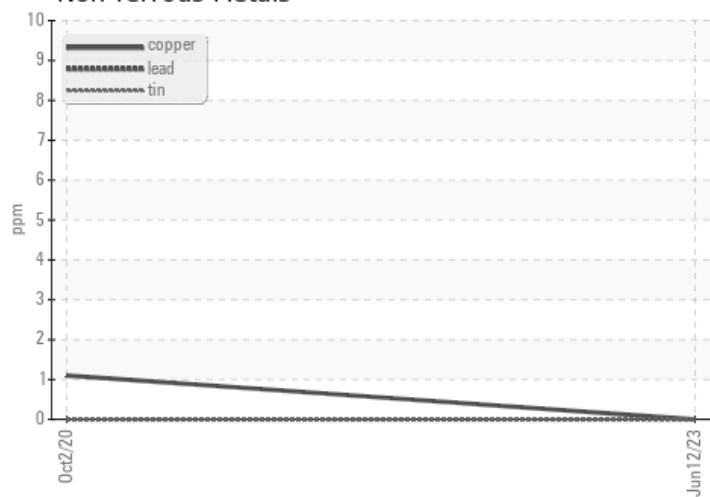


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

