

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 042899-1464 - Transmission (Manual)

Sample No: LH0258944

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0258944	LH0220862	LHMC122381	---
Sample Date	19 Oct 2023	08 Mar 2022	19 Feb 2018	---
Machine Hours	6240	3115	1156	---
Oil Hours	3250	3115	0	---
Oil Changed	Changed	Changed	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---

LIEBHERR EQUIPMENT SOURCE

10119 RESIDENCY ROAD
 MANASSAS, VA
 US 20110
 Contact: TOM HEINEY
 tom.heiney@liebherr.com
 T: (703)392-0111
 F: (703)331-5604



OIL CONDITION

Visc @ 40°C	cSt	46.7	45.6	43.08	---
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CONTAMINATION

Silicon	ppm	6	6	7	---
Sodium	ppm	3	2	11	---
Potassium	ppm	<1	0	6	---

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	20	14	20	---
Copper	ppm	2	2	5	---
Lead	ppm	0	<1	<1	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	<1	<1	1	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	0	<1	0	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

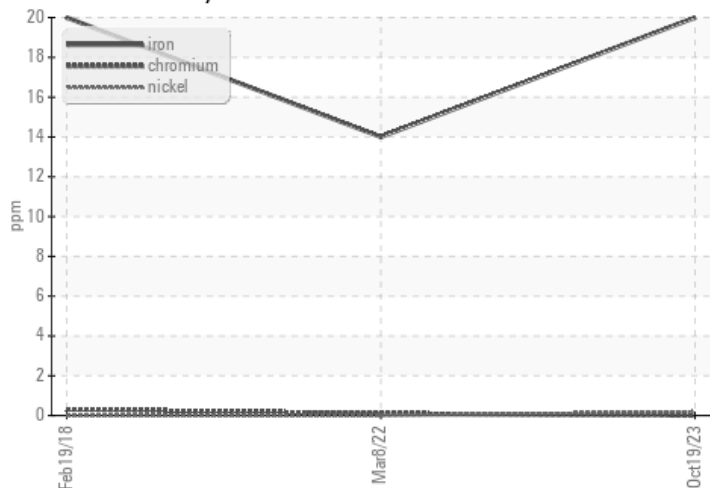
Calcium	ppm	3065	3674	3114	---
Magnesium	ppm	9	6	8	---
Zinc	ppm	1430	1370	1272	---
Phosphorus	ppm	1232	1150	942	---
Barium	ppm	0	0	<1	---
Boron	ppm	62	104	84	---

Depot: LIEBHERRVA
 Unique No: 10736306
 Signed: Sean Felton
 Report Date: 10 Nov 2023

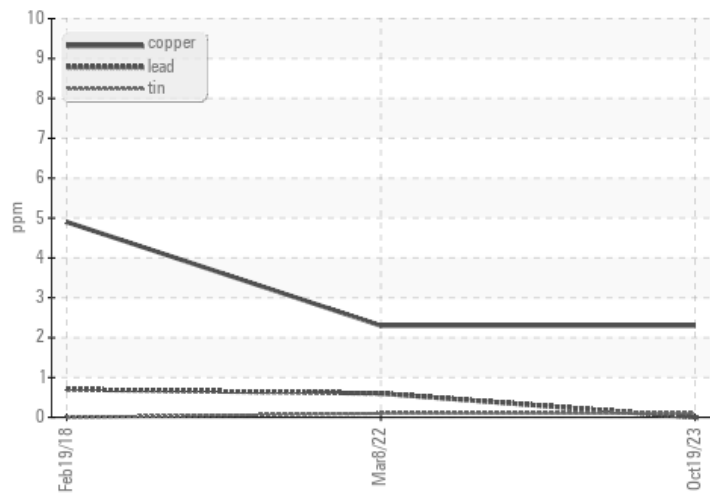


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

