

LIEBHERR

CONSTRUCTION EQUIPMENT



[[MANASSAS TOPSOIL]] LIEBHERR L556 050193-1332 - Front Left W

Sample No: LH0258957

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0258957	---	---	---
Sample Date	18 Oct 2023	---	---	---
Machine Hours	1670	---	---	---
Oil Hours	1670	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	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	197	---	---	---
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CONTAMINATION

Silicon	ppm	21	---	---	---
Sodium	ppm	10	---	---	---
Potassium	ppm	1	---	---	---



WEAR METALS

Iron	ppm	189	---	---	---
Copper	ppm	78	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	3	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	2	---	---	---
Molybdenum	ppm	9	---	---	---
Nickel	ppm	2	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	44	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	20	---	---	---
Magnesium	ppm	6	---	---	---
Zinc	ppm	57	---	---	---
Phosphorus	ppm	2180	---	---	---
Barium	ppm	1	---	---	---
Boron	ppm	3	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIEBHERRVA
 Unique No: 10736225
 Signed: Don Baldrige
 Report Date: 13 Nov 2023

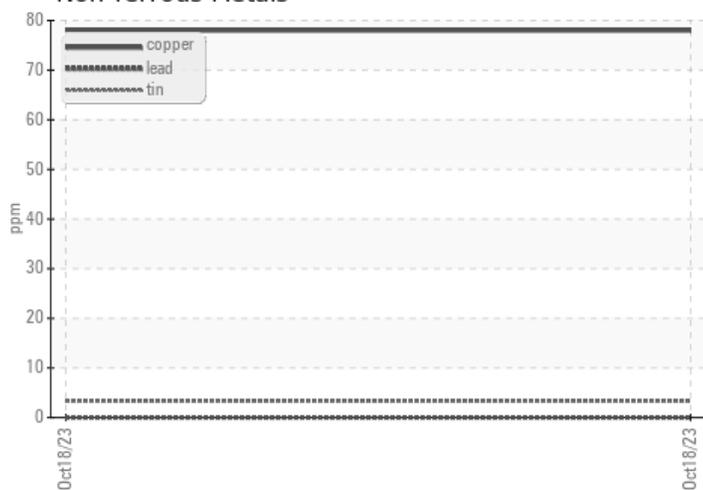


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

