

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L566 1484-59325 - Hydraulic System

Sample No: LH0293979

Oil Type: {unknown}



Sample Information

Sample Number	LH0293979	---	---	---
Sample Date	27 Jun 2024	---	---	---
Machine Hours	5296	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

MR BULTS INC
 2627 E 139TH ST
 BURNHAM, IL
 US 60633
 Contact: SERVICE MANAGER



Oil Condition

Visc @ 40°C	cSt	48.0	---	---	---
Acid Number (AN)	mg KOH/g	0.61	---	---	---

T: (708)868-0059
 F:



Contamination

Water	%	NEG	---	---	---
Particles >4µm		132340	---	---	---
Particles >6µm		72574	---	---	---
Particles >14µm		3197	---	---	---
ISO 4406:1999 (c)		24/23/19	---	---	---
Silicon	ppm	2	---	---	---
Sodium	ppm	<1	---	---	---
Potassium	ppm	1	---	---	---

Diagnosis

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. The filter change at the time of sampling has been noted. Resample in 30-45 days to monitor this situation. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



Wear Metals

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



Additives

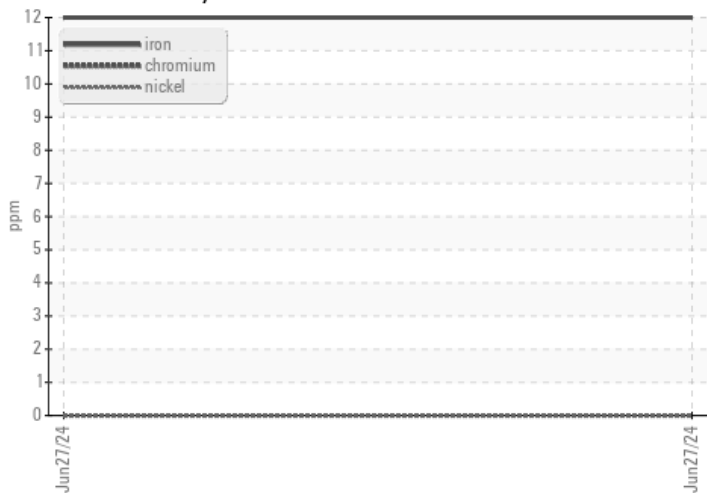
Calcium	ppm	193	---	---	---
Magnesium	ppm	13	---	---	---
Zinc	ppm	493	---	---	---
Phosphorus	ppm	401	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	1	---	---	---

Depot: MRBBURLH
Unique No: 11125605
Signed: Wes Davis
Report Date: 17 Jul 2024

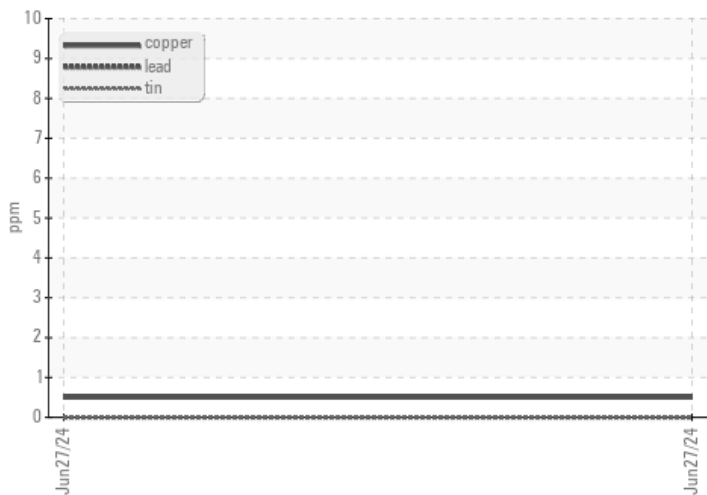


Graphs

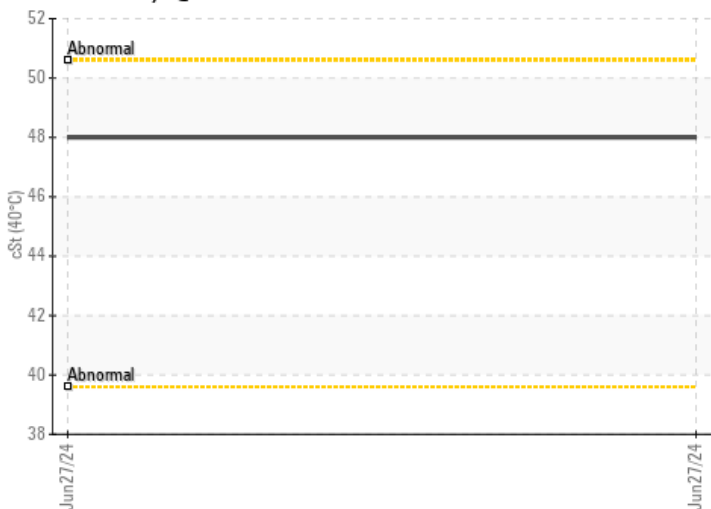
Ferrous Alloys



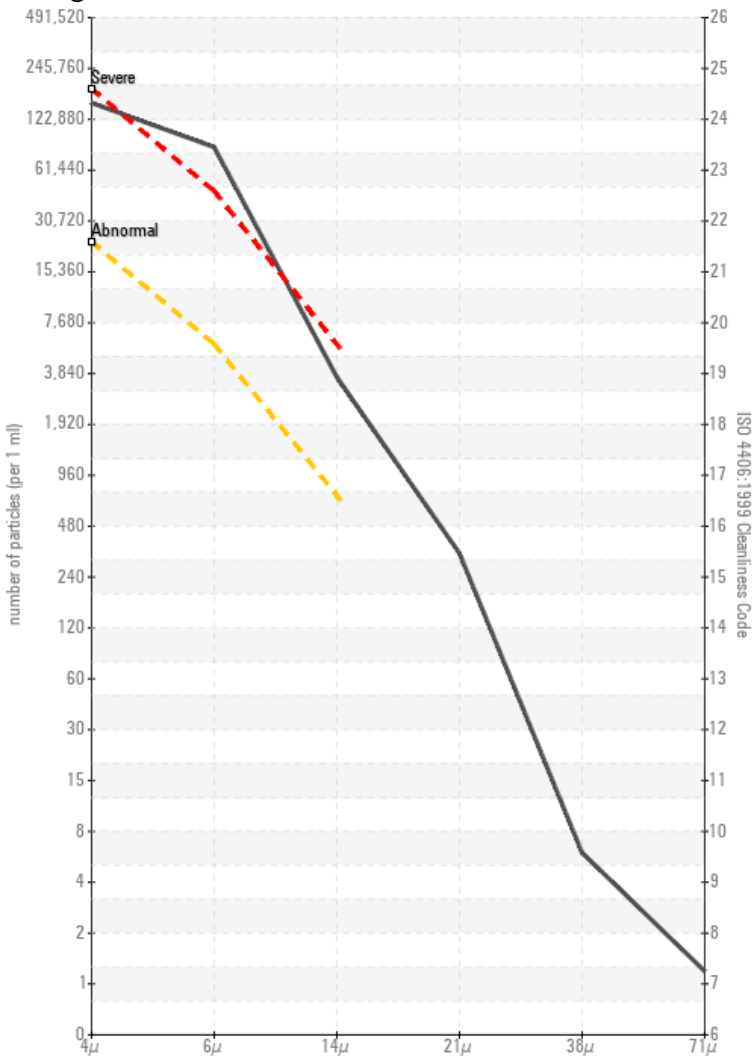
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

