

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30 114399-1253 - Hydraulic System

Sample No: LH0191003

Oil Type: LIEBHERR HYDRAULIC HVI



SIMS METAL MANAGEMENT
 3220 DEEPWATER TERMINAL RD
 RICHMOND, VA
 US 23234
 Contact: Service Manager

T: (703)392-0111
 F:



Sample Information

Sample Number	LH0191003	---	---	---
Sample Date	05 Aug 2021	---	---	---
Machine Hours	2002	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---



Oil Condition

Visc @ 40°C	cSt	● 45.0	---	---	---
Acid Number (AN)	mg KOH/g	● 1.042	---	---	---



Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● 2	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● 0	---	---	---



Wear Metals

Iron	ppm	● 23	---	---	---
Copper	ppm	● 6	---	---	---
Lead	ppm	● 1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 0	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	● 1227	---	---	---
Magnesium	ppm	● 6	---	---	---
Zinc	ppm	● 624	---	---	---
Phosphorus	ppm	● 488	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 6	---	---	---

Diagnosis

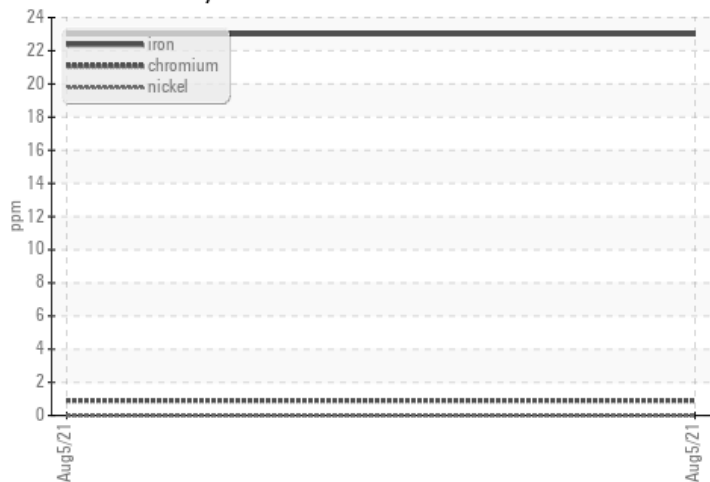
We recommend you service the filters on this component. We advise that you inspect for the source(s) of metal. Resample at the next service interval to monitor. We were unable to perform a particle count due to metal particles present in this sample. Moderate concentration of visible metal present. All component wear rates are normal. No other contaminants were detected in the oil. The AN level is acceptable for this fluid.

Depot: SIMRCLH
 Unique No: 9633763
 Signed: Doug Bogart
 Report Date: 25 Aug 2021

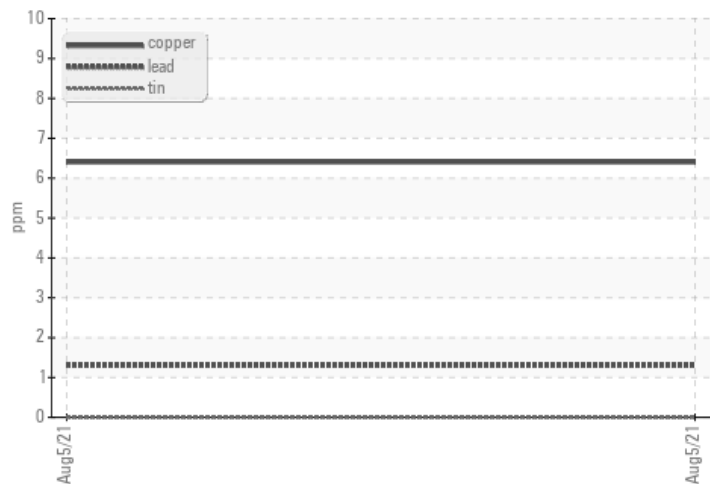


Graphs

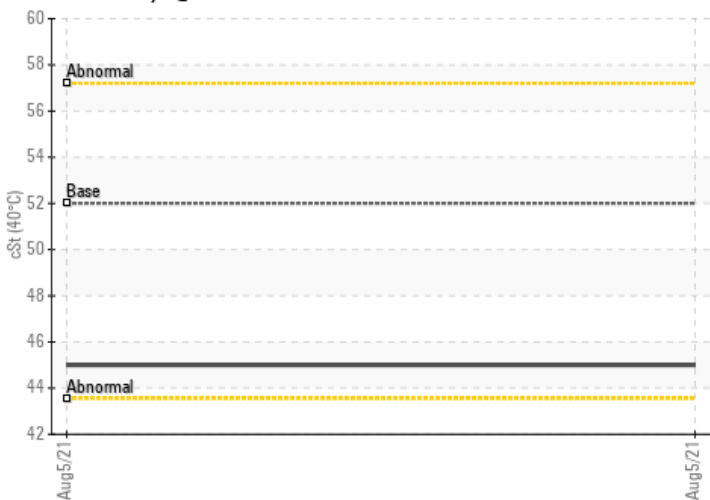
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

