

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30 146882-1253 - Hydraulic System

Sample No: LH0272378

Oil Type: MV-46



RECO EQUIPMENT INC
 8075 PRODUCTION DRIVE
 FLORENCE, KY
 US 41042
 Contact: TRACEY EDGERTON
 tedgerton@recoequip.com
 T:
 F: (859)727-7974



Sample Information

Sample Number	LH0272378	---	---	---
Sample Date	27 Jun 2024	---	---	---
Machine Hours	1002	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---



Oil Condition

Visc @ 40°C	cSt	● 47.5	---	---	---
Acid Number (AN)	mg KOH/g	● 1.10	---	---	---



Contamination

Water	%	NEG	---	---	---
Particles >4µm		● 30250	---	---	---
Particles >6µm		● 11689	---	---	---
Particles >14µm		● 642	---	---	---
ISO 4406:1999 (c)		22/21/17	---	---	---
Silicon	ppm	● 3	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● 3	---	---	---



Wear Metals

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



Additives

Calcium	ppm	984	---	---	---
Magnesium	ppm	10	---	---	---
Zinc	ppm	672	---	---	---
Phosphorus	ppm	555	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	<1	---	---	---

Diagnosis

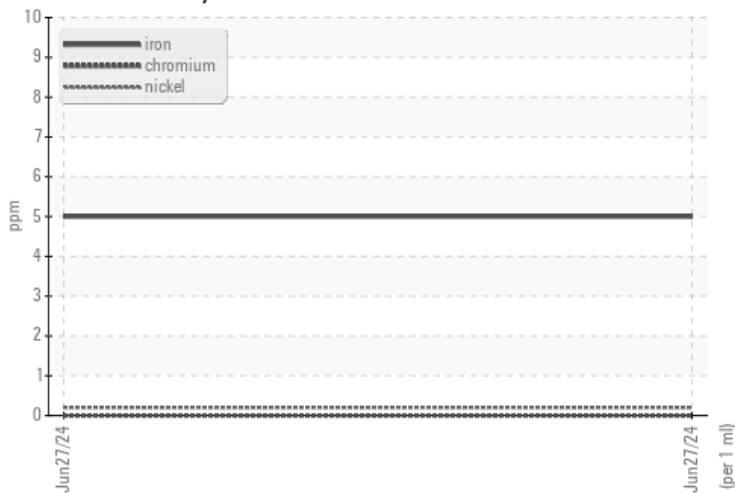
The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Depot: LEC0082
Unique No: 11103193
Signed: Wes Davis
Report Date: 02 Jul 2024

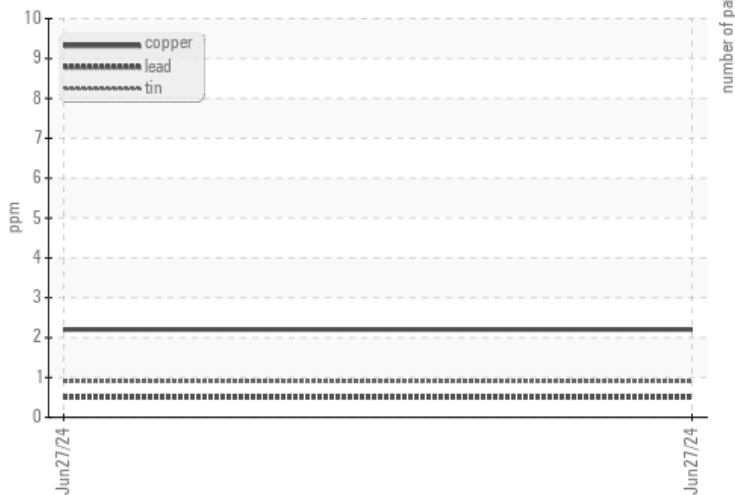


Graphs

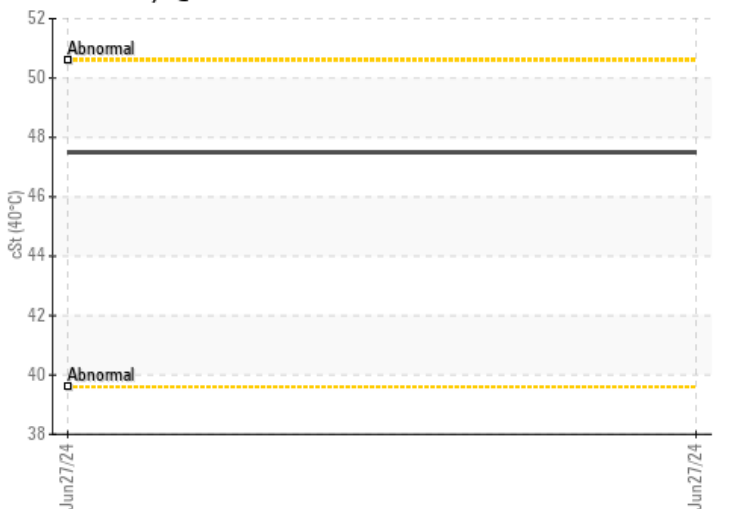
Ferrous Alloys



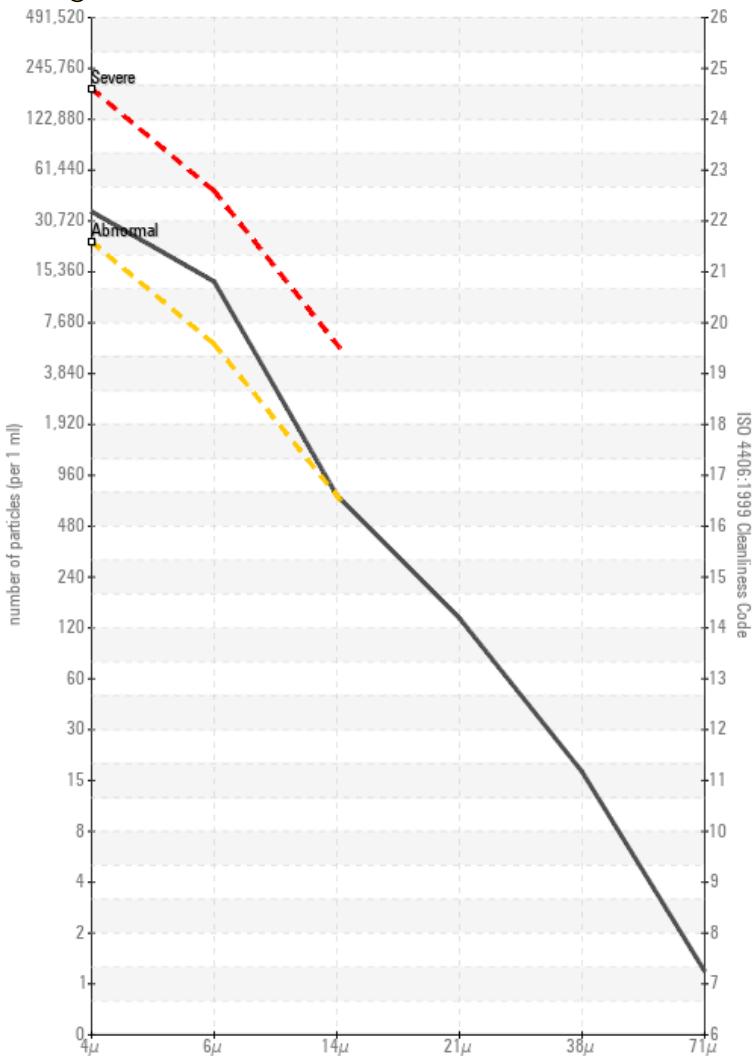
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

