

LIEBHERR

CONSTRUCTION EQUIPMENT



[[KIMMEL SCRAP IRON]] LIEBHERR LH50 145582-1216 - Hydraulic

Sample No: LH0268524

Oil Type: LIEBHERR HYDRAULIC HVI



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SAMPLE INFORMATION

Sample Number	LH0268524	LH0243207	---	---
Sample Date	14 Sep 2023	15 Mar 2023	---	---
Machine Hours	1633	461	---	---
Oil Hours	1633	461	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 43.4	● 45.6	---	---
Acid Number (AN)	mg KOH/g	● 1.16	● 1.01	---	---



CONTAMINATION

Particles >4µm		● 12832	● 1022	---	---
Particles >6µm		● 3378	● 247	---	---
Particles >14µm		● 222	● 19	---	---
ISO 4406:1999 (c)		21/19/15	17/15/11	---	---
Silicon	ppm	● 4	● 2	---	---
Sodium	ppm	● 2	● 0	---	---
Potassium	ppm	● 0	● 2	---	---



WEAR METALS

Iron	ppm	● 6	● 4	---	---
Copper	ppm	● 3	● 2	---	---
Lead	ppm	● <1	● 0	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● 0	● 2	---	---
Chromium	ppm	● 0	● 0	---	---
Molybdenum	ppm	● 0	● <1	---	---
Nickel	ppm	● 0	● <1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● <1	● <1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	● 1403	● 1400	---	---
Magnesium	ppm	● 1	● 4	---	---
Zinc	ppm	● 722	● 727	---	---
Phosphorus	ppm	● 618	● 622	---	---
Barium	ppm	● 0	● 0	---	---
Boron	ppm	● 0	● 0	---	---

Diagnosis

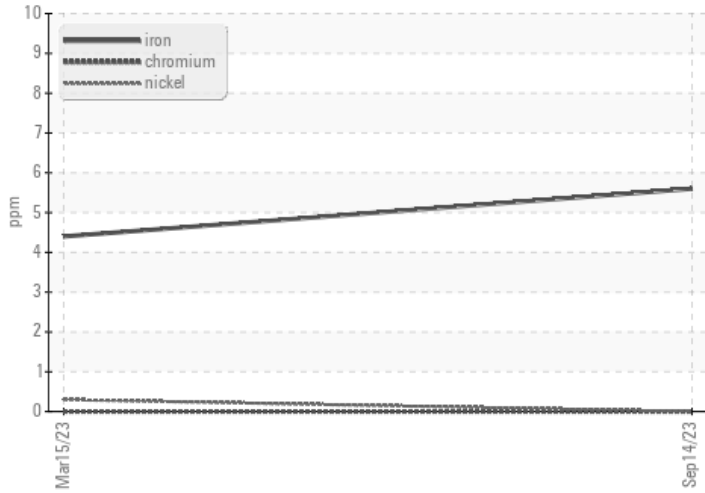
Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: RECBRLH
Unique No: 10669406
Signed: Don Baldrige
Report Date: 28 Sep 2023

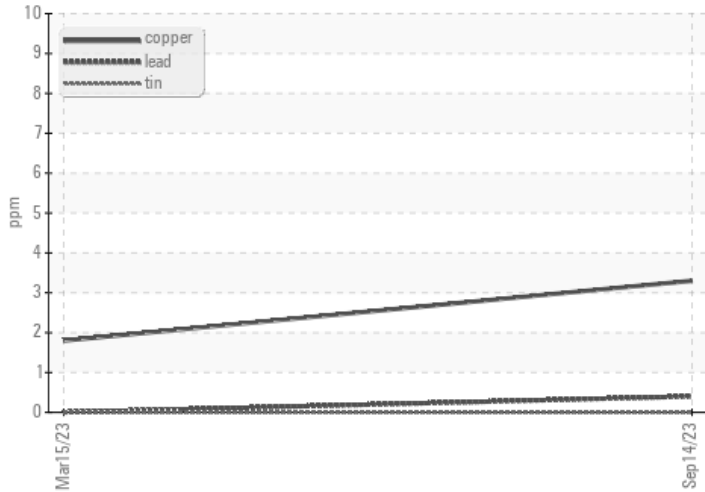


GRAPHS

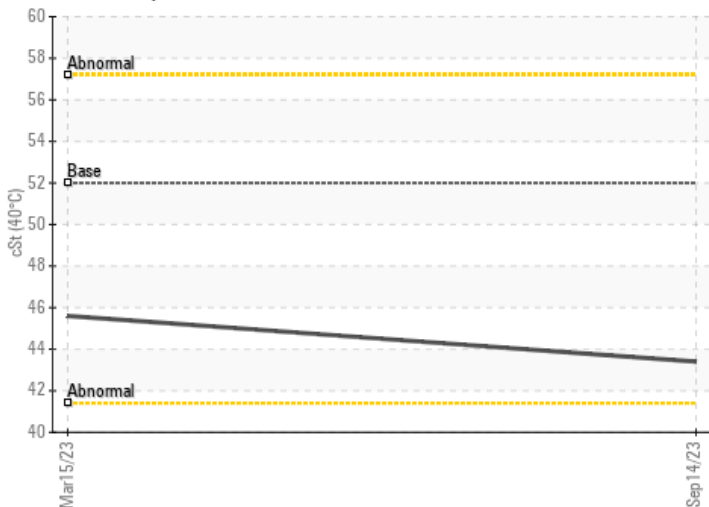
Ferrous Alloys



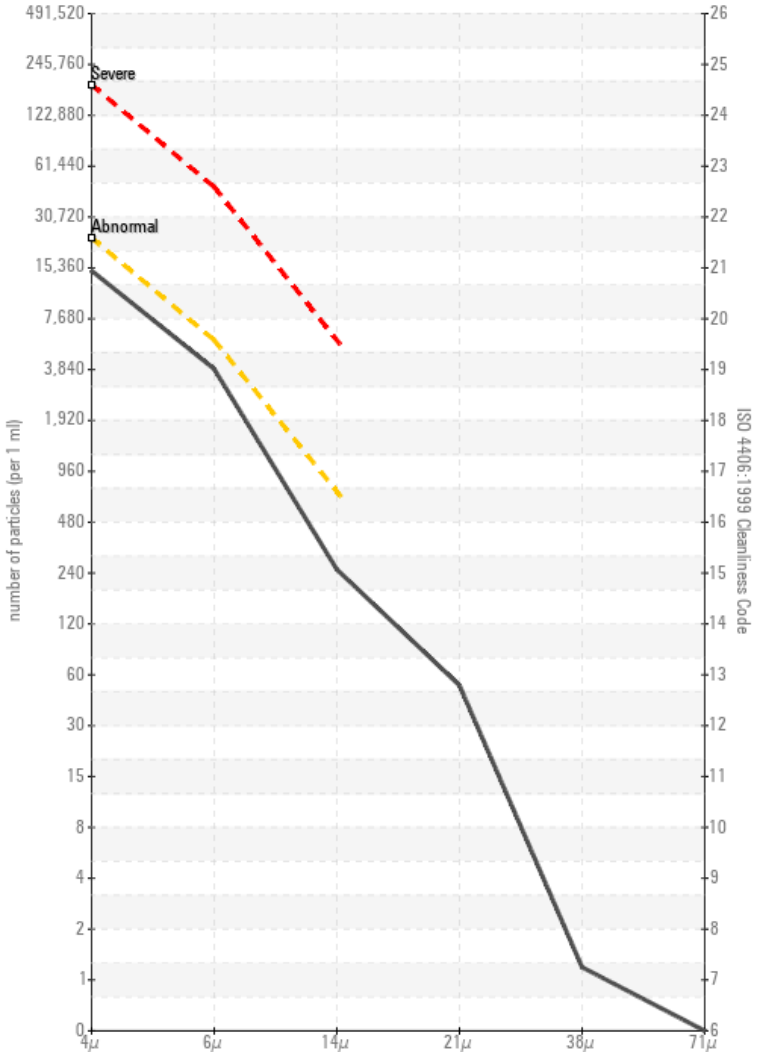
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

