

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 117095-1216 - Hydraulic System

Sample No: LH06104270

Oil Type: {unknown}



RECO EQUIPMENT INC.
1615 JP HENESSY DRIVE
LAVERGNE, TN
US 37086
Contact: KEN FISCHER

T: (615)610-7326
F:



SAMPLE INFORMATION

Sample Number	LH06104270	LH06072227	---	---
Sample Date	14 Feb 2024	18 Dec 2023	---	---
Machine Hours	8681	8371	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	42.3	42.2	---	---
Acid Number (AN)	mg KOH/g	0.96	0.701	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		3876	3502	---	---
Particles >6µm		1215	892	---	---
Particles >14µm		121	71	---	---
ISO 4406:1999 (c)		19/17/14	19/17/13	---	---
Silicon	ppm	2	3	---	---
Sodium	ppm	2	1	---	---
Potassium	ppm	1	1	---	---



WEAR METALS

Iron	ppm	38	36	---	---
Copper	ppm	5	5	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	<1	2	---	---
Chromium	ppm	1	<1	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	821	749	---	---
Magnesium	ppm	5	5	---	---
Zinc	ppm	613	583	---	---
Phosphorus	ppm	490	453	---	---
Barium	ppm	0	0	---	---
Boron	ppm	<1	0	---	---

Diagnosis

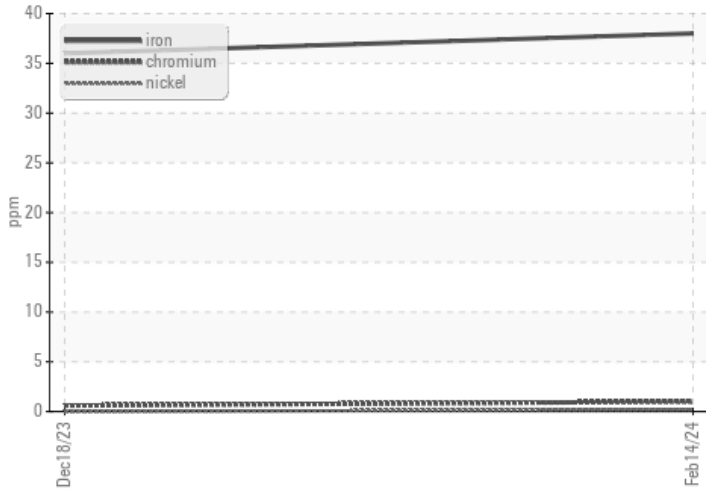
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: RECLAV
Unique No: 10902500
Signed: Wes Davis
Report Date: 01 Mar 2024

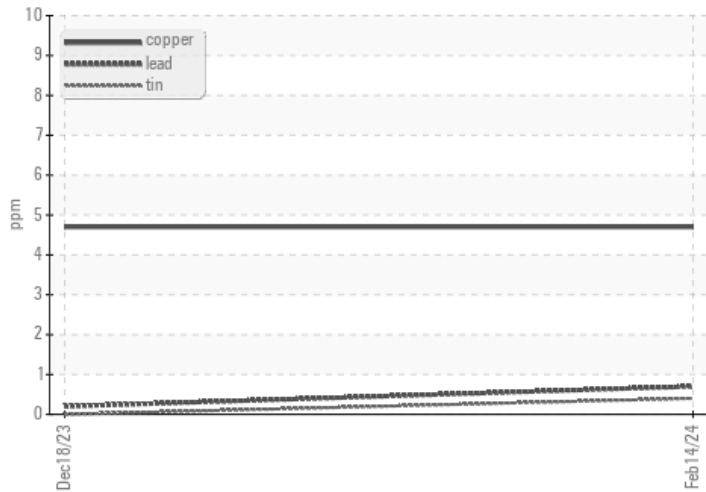


GRAPHS

Ferrous Alloys



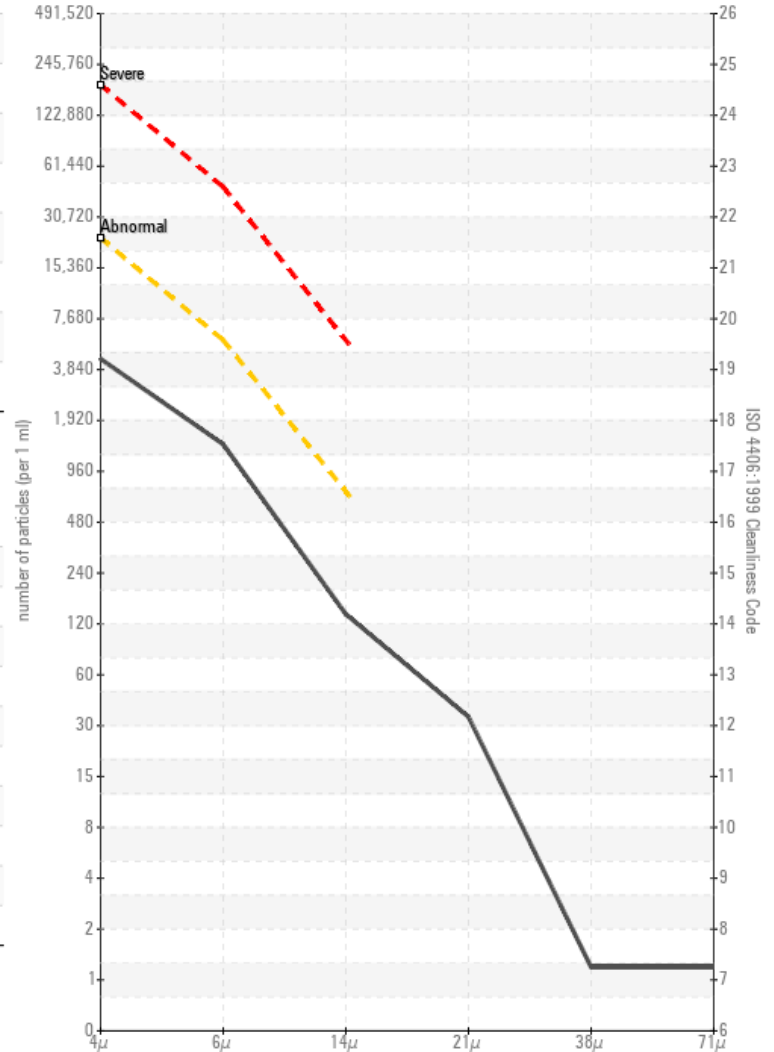
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

