

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A924 1206-110004 - Hydraulic System

Sample No: LH06090949

Oil Type: LIEBHERR HYDRAULIC HVI



UNITED SCRAP
1545 S CICERO AVE
BURR RIDGE, IL
US 60527
Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH06090949	---	---	---
Sample Date	05 Jan 2024	---	---	---
Machine Hours	185	---	---	---
Oil Hours	185	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 48.7	---	---	---
Acid Number (AN)	mg KOH/g	● 1.06	---	---	---

T:
F:



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		● 60107	---	---	---
Particles >6µm		● 10128	---	---	---
Particles >14µm		● 135	---	---	---
ISO 4406:1999 (c)		23/21/14	---	---	---
Silicon	ppm	● 1	---	---	---
Sodium	ppm	● 4	---	---	---
Potassium	ppm	● 0	---	---	---

Diagnosis

We recommend you service the filters on this component. 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.



WEAR METALS

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



ADDITIVES

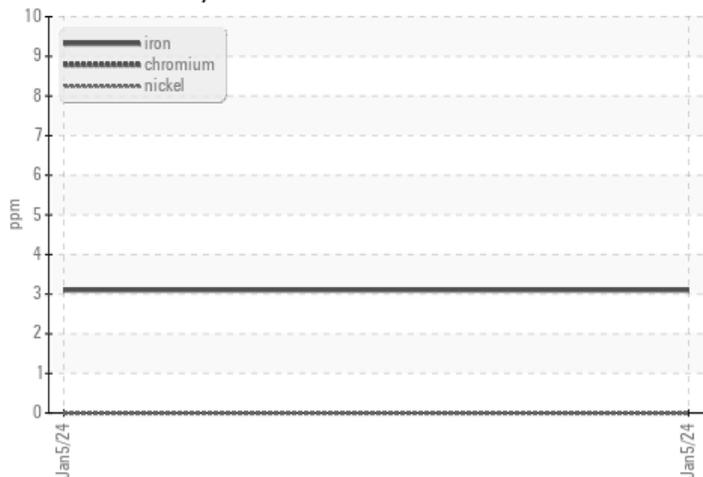
Calcium	ppm	● 1152	---	---	---
Magnesium	ppm	● 5	---	---	---
Zinc	ppm	● 604	---	---	---
Phosphorus	ppm	● 536	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 0	---	---	---

Depot: UNIBURIL
Unique No: 10883802
Signed: Wes Davis
Report Date: 19 Feb 2024

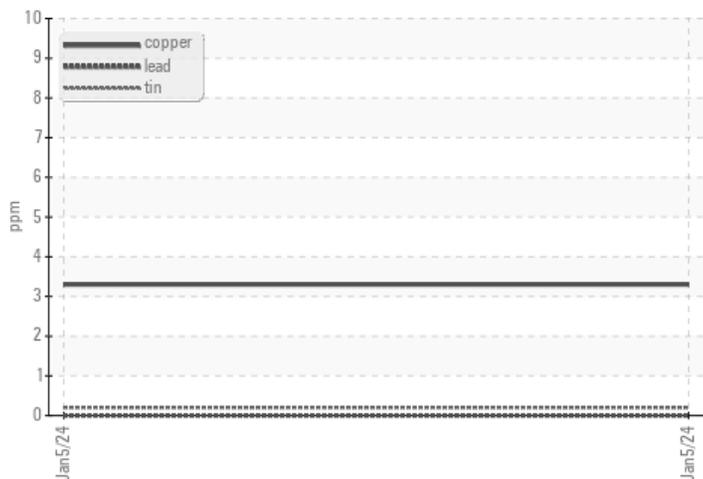


GRAPHS

Ferrous Alloys



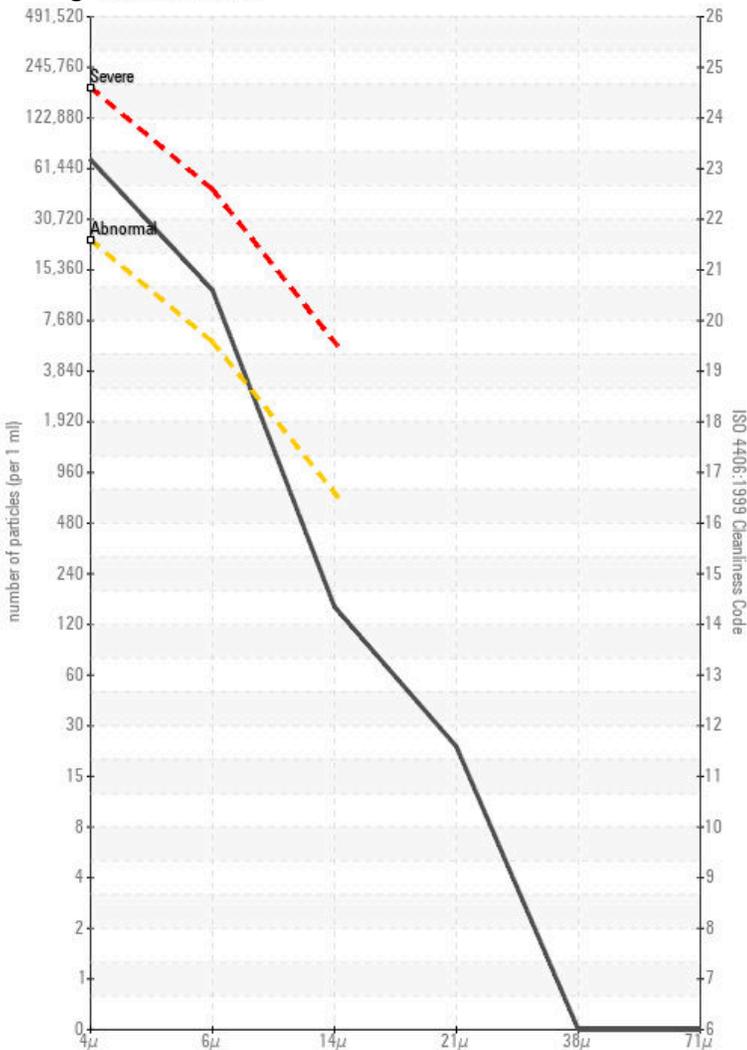
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

