

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 065499-1761- Hydraulic System

Sample No: LH0268339

Oil Type: LIEBHERR HYDRAULIC HVI



SAMPLE INFORMATION

Sample Number	LH0268339	LH0229218	LH0217434	---
Sample Date	07 Feb 2024	24 Mar 2023	10 Mar 2022	---
Machine Hours	6246	3987	1032	---
Oil Hours	6246	3987	1032	---
Oil Changed	Filtered	Filtered	Filtered	---
Sample Status	NORMAL	NORMAL	NORMAL	---

JR VINAGRO
2208 PLAINFIELD PIKE
JOHNSTON, RI
US 02919
Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	42.9	42.0	44.0	---
Acid Number (AN)	mg KOH/g	1.06	0.99	1.34	---

T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		5794	8501	16363	---
Particles >6µm		546	1841	2034	---
Particles >14µm		27	152	145	---
ISO 4406:1999 (c)		20/16/12	20/18/14	21/18/14	---
Silicon	ppm	11	8	4	---
Sodium	ppm	0	3	2	---
Potassium	ppm	3	1	0	---

Diagnosis

Resample at the next service interval to monitor. 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.



WEAR METALS

Iron	ppm	16	14	8	---
Copper	ppm	4	3	2	---
Lead	ppm	6	5	<1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	2	4	1	---
Chromium	ppm	2	2	<1	---
Molybdenum	ppm	2	<1	0	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

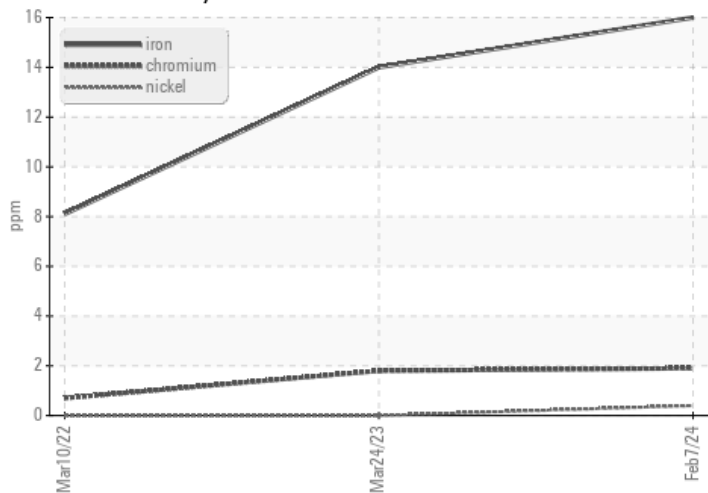
Calcium	ppm	1493	1644	1404	---
Magnesium	ppm	15	11	4	---
Zinc	ppm	734	781	643	---
Phosphorus	ppm	648	629	602	---
Barium	ppm	13	0	0	---
Boron	ppm	<1	<1	3	---

Depot: JRVJOH
Unique No: 10873448
Signed: Wes Davis
Report Date: 13 Feb 2024

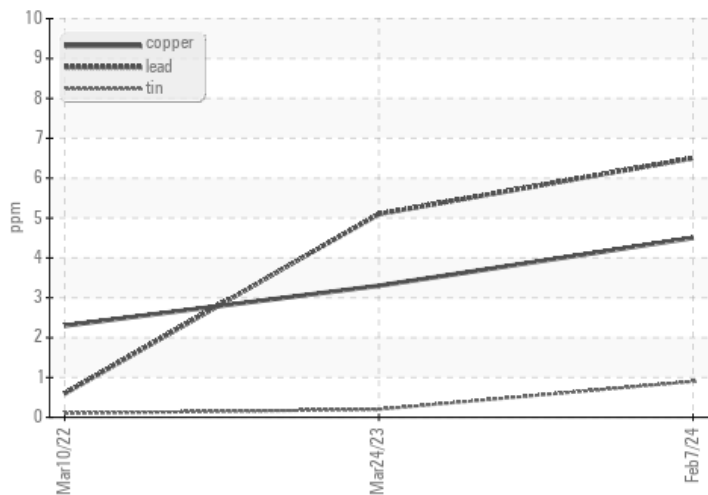


GRAPHS

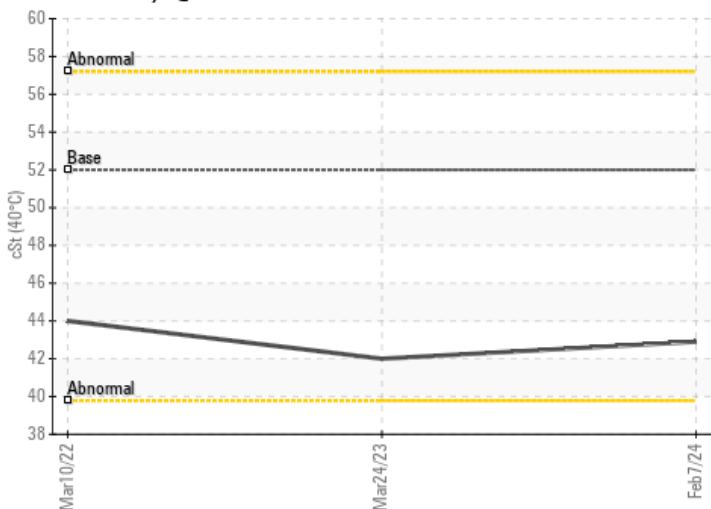
Ferrous Alloys



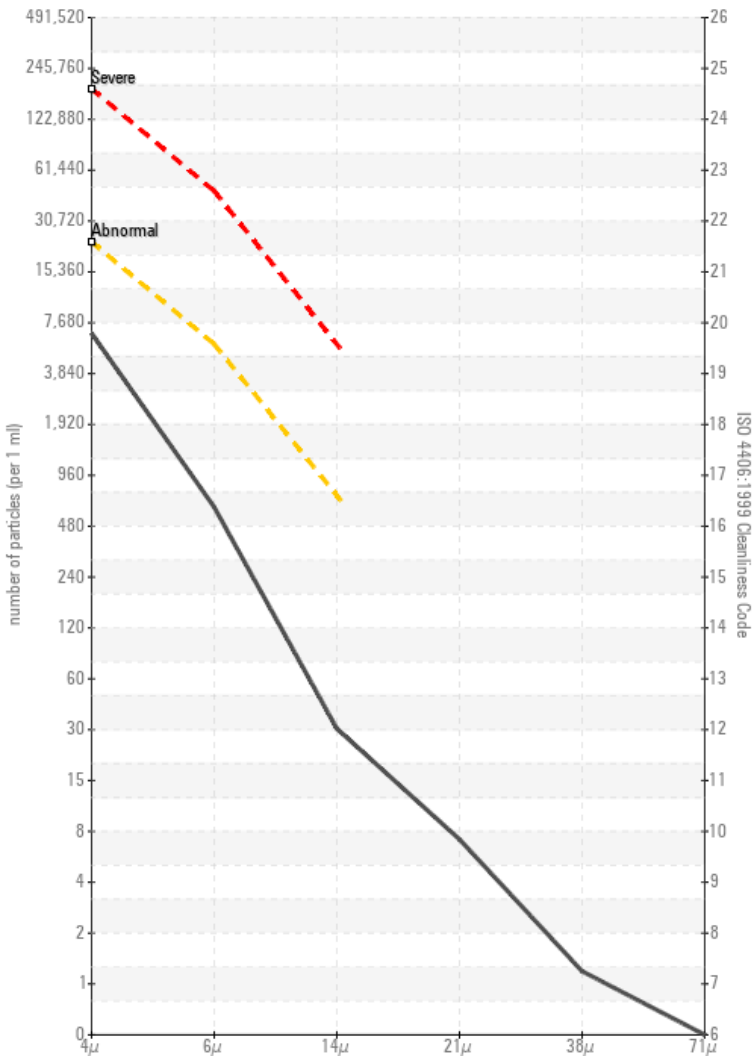
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

