

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 047353-1334 - Hydraulic System

Sample No: LH0258495

Oil Type: NOT GIVEN



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



SAMPLE INFORMATION

Sample Number	LH0258495	LH0217485	---	---
Sample Date	13 Oct 2023	06 Sep 2022	---	---
Machine Hours	6889	6063	---	---
Oil Hours	6889	6063	---	---
Oil Changed	Filtered	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 44.9	● 44.9	---	---
Acid Number (AN)	mg KOH/g	● 0.77	● 0.91	---	---

T:
F:



CONTAMINATION

Particles >4µm		● 18903	● 11839	---	---
Particles >6µm		● 496	● 544	---	---
Particles >14µm		● 13	● 14	---	---
ISO 4406:1999 (c)		21/16/11	21/16/11	---	---
Silicon	ppm	● 13	● 12	---	---
Sodium	ppm	● 2	● 2	---	---
Potassium	ppm	● 3	● 1	---	---

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.



WEAR METALS

Iron	ppm	● 25	● 23	---	---
Copper	ppm	● 7	● 6	---	---
Lead	ppm	● 14	● 15	---	---
Tin	ppm	● <1	● <1	---	---
Aluminum	ppm	● 6	● 7	---	---
Chromium	ppm	● 3	● 2	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	● 0	● 0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

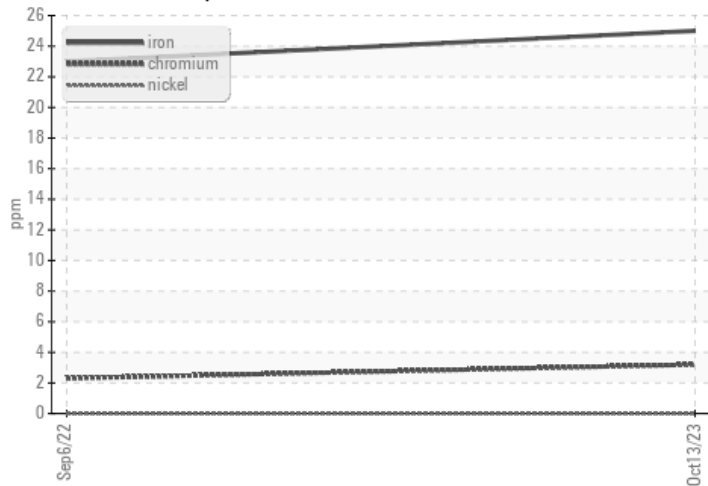
Calcium	ppm	1118	1117	---	---
Magnesium	ppm	9	10	---	---
Zinc	ppm	650	633	---	---
Phosphorus	ppm	532	538	---	---
Barium	ppm	0	2	---	---
Boron	ppm	0	0	---	---

Depot: JRVJOH
Unique No: 10712459
Signed: Don Baldrige
Report Date: 27 Oct 2023

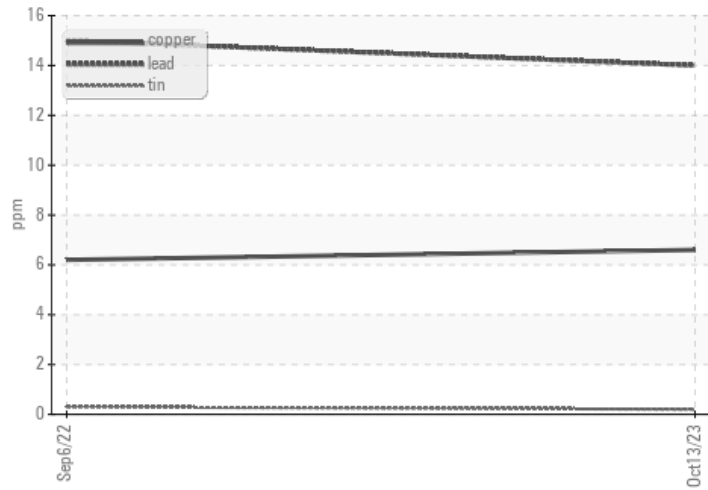


GRAPHS

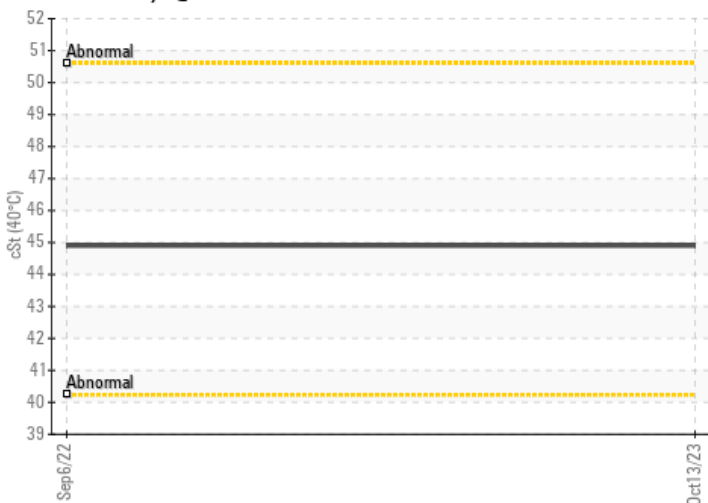
Ferrous Alloys



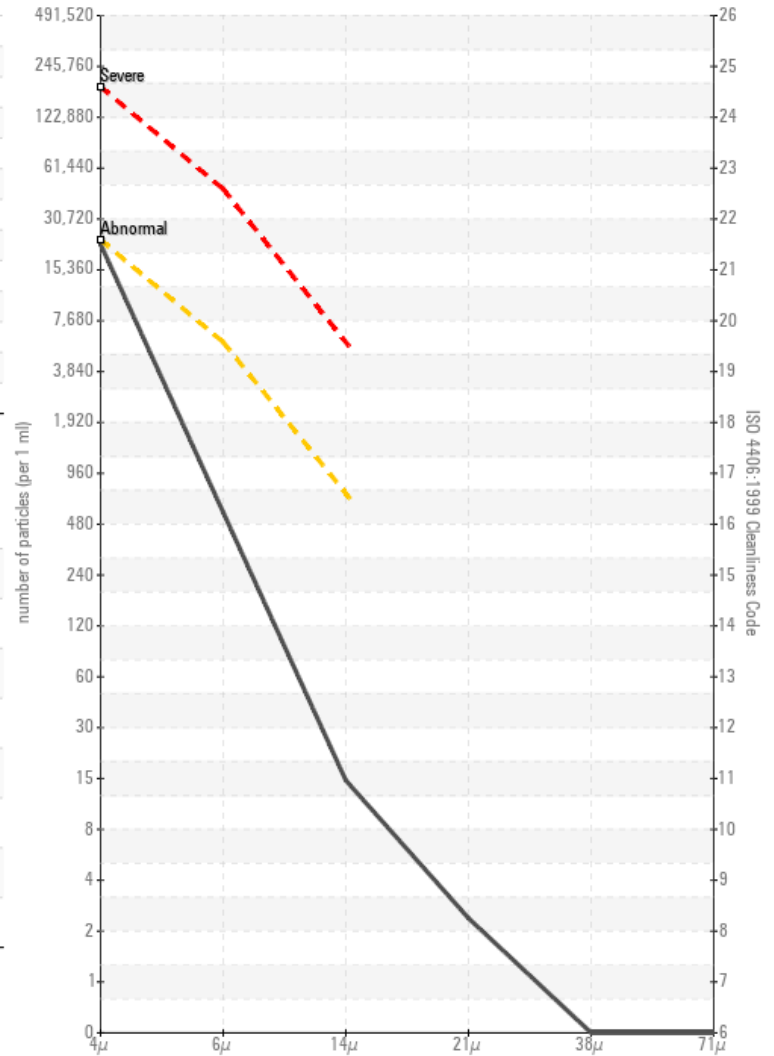
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

