

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40M 146308-1215 - Hydraulic System

Sample No: LH0281088

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



RICHMOND STEEL RECYCLING
 955 ORD ROAD
 KAMLOOPS, BC
 CA V2B 7B5
 Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH0281088	---	---	---
Sample Date	03 Jan 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 43.4	---	---	---
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T:
F:



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		● 13360	---	---	---
Particles >6µm		● 1930	---	---	---
Particles >14µm		● 31	---	---	---
ISO 4406:1999 (c)		21/18/12	---	---	---
Silicon	ppm	● 4	---	---	---
Sodium	ppm	● 1	---	---	---
Potassium	ppm	● 1	---	---	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. 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. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	● 9	---	---	---
Copper	ppm	● 5	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 1	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

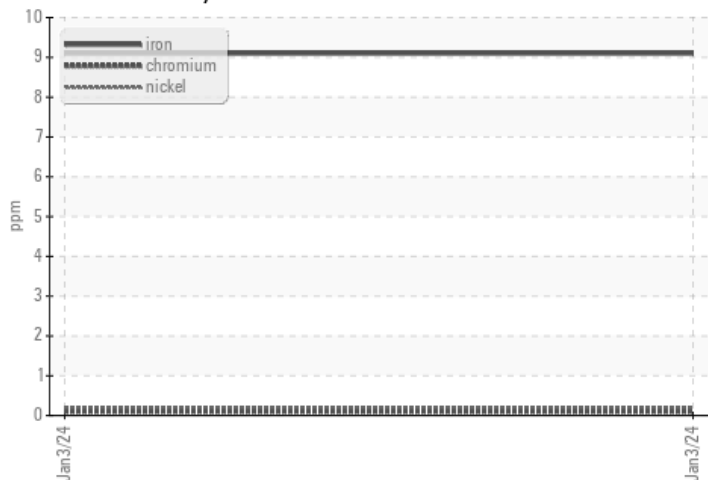
Calcium	ppm	1324	---	---	---
Magnesium	ppm	● 6	---	---	---
Zinc	ppm	● 686	---	---	---
Phosphorus	ppm	● 605	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 0	---	---	---

Depot: RIC955KAM
 Unique No: 5708243
 Signed: Kevin Marson
 Report Date: 11 Jan 2024

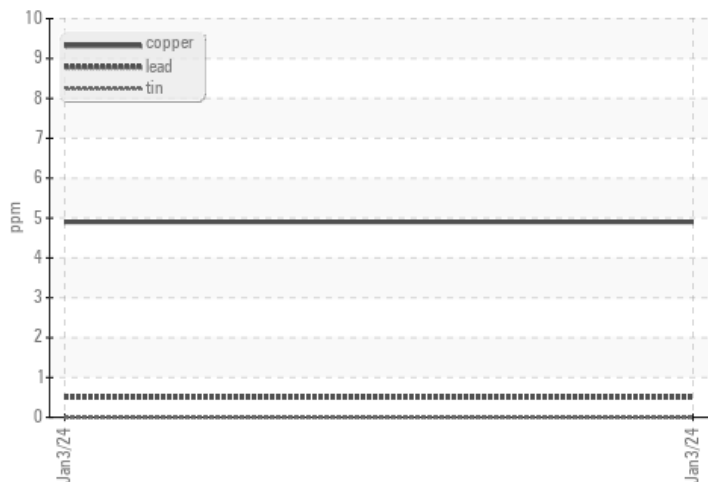


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

