

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 112348 - Hydraulic System

Sample No: LH0284123

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



SAMPLE INFORMATION

Sample Number	LH0284123	---	---	---
Sample Date	12 Feb 2024	---	---	---
Machine Hours	5077	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

Rypac Aluminum Recycling

11849 Tannery Road
Surrey, BC
CA V3V 3W8
Contact: Craig Merritt
rypac2@shaw.ca
T:
F:



OIL CONDITION

Visc @ 40°C	cSt	● 42.6	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		● 664	---	---	---
Particles >6µm		● 105	---	---	---
Particles >14µm		● 10	---	---	---
ISO 4406:1999 (c)		17/14/10	---	---	---
Silicon	ppm	● 1	---	---	---
Sodium	ppm	● 2	---	---	---
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	● 36	---	---	---
Copper	ppm	● 6	---	---	---
Lead	ppm	● 1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 3	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

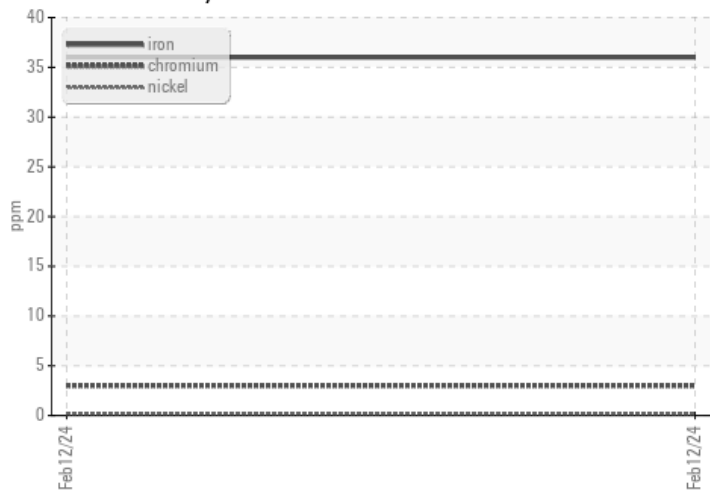
Calcium	ppm	1091	---	---	---
Magnesium	ppm	● 6	---	---	---
Zinc	ppm	● 563	---	---	---
Phosphorus	ppm	● 484	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● <1	---	---	---

Depot: RYPSUR
Unique No: 5734548
Signed: Kevin Marson
Report Date: 23 Feb 2024

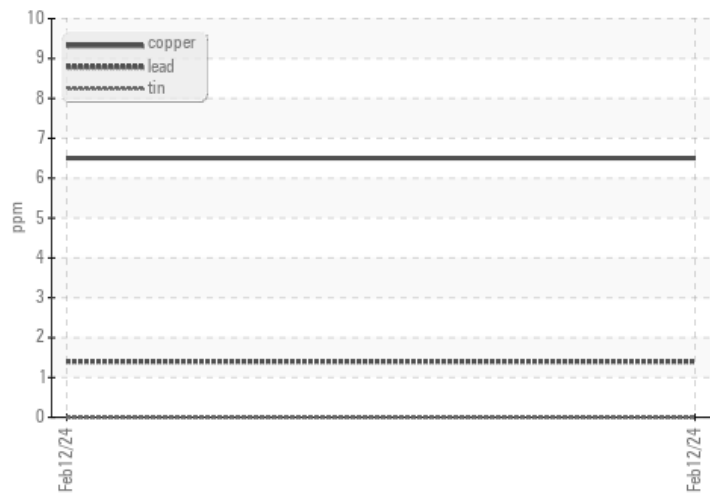


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

