

LIEBHERR

CONSTRUCTION EQUIPMENT



[(362877)] LIEBHERR R914 053852-1511 - Hydraulic System

Sample No: LH0287898

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



Sample Information

Sample Number	LH0287898	---	---	---
Sample Date	26 Apr 2024	---	---	---
Machine Hours	529	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

HAFKE PROPERTY MAINTENANCE
 201 MAIN STREET
 TOBIQUE FIRST NATION, NB
 CA E7H 2X3
 Contact: Service Manager



Oil Condition

Visc @ 40°C	cSt	● 44.0	---	---	---
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T:
F:



Contamination

Water	%	NEG	---	---	---
Particles >4µm		● 19958	---	---	---
Particles >6µm		● 4940	---	---	---
Particles >14µm		● 521	---	---	---
ISO 4406:1999 (c)		21/19/16	---	---	---
Silicon	ppm	● 6	---	---	---
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	● 7	---	---	---
Copper	ppm	● 11	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	0	---	---	---



Additives

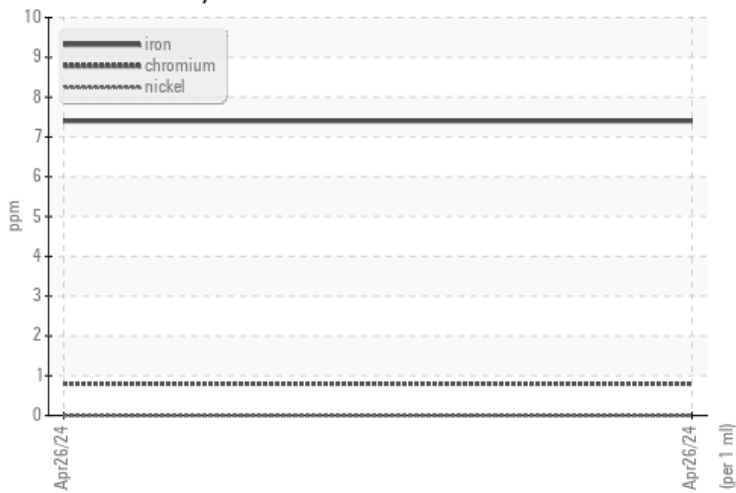
Calcium	ppm	1413	---	---	---
Magnesium	ppm	● 4	---	---	---
Zinc	ppm	● 684	---	---	---
Phosphorus	ppm	● 597	---	---	---
Barium	ppm	● <1	---	---	---
Boron	ppm	● <1	---	---	---

Depot: HAFTOB
Unique No: 5774665
Signed: Kevin Marson
Report Date: 07 May 2024

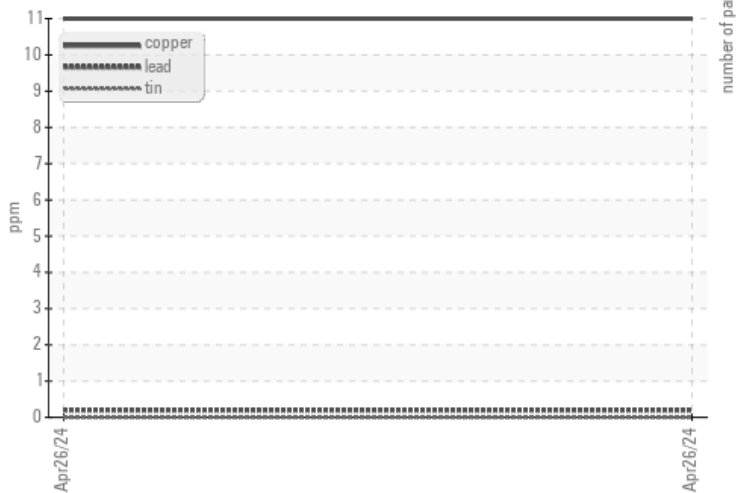


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

