

LIEBHERR

CONSTRUCTION EQUIPMENT



[MODERN] LIEBHERR L586 74609 - Hydraulic System

Sample No: LH0277034

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



SAMPLE INFORMATION

Sample Number	LH0277034	---	---	---
Sample Date	21 Oct 2023	---	---	---
Machine Hours	1117	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR CANADA

10 LYNDS AVENUE
 MONCTON, NB
 CA E1H 3K2
 Contact: Sherrie Wilson
 sherrie.wilson@liebherr.com
 T: (506)854-2920
 F: (506)854-2940



OIL CONDITION

Visc @ 40°C	cSt	● 41.6	---	---	---
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CONTAMINATION

Particles >4µm		● 12543	---	---	---
Particles >6µm		● 733	---	---	---
Particles >14µm		● 18	---	---	---
ISO 4406:1999 (c)		21/17/11	---	---	---
Silicon	ppm	● 11	---	---	---
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	● 11	---	---	---
Copper	ppm	● 3	---	---	---
Lead	ppm	● 6	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● 4	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	● 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

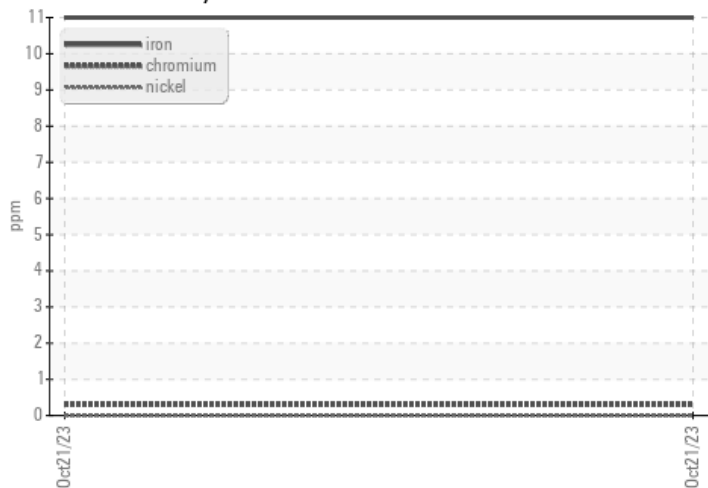
Calcium	ppm	1436	---	---	---
Magnesium	ppm	● 7	---	---	---
Zinc	ppm	● 699	---	---	---
Phosphorus	ppm	● 603	---	---	---
Barium	ppm	● <1	---	---	---
Boron	ppm	● <1	---	---	---

Depot: LIEMON
 Unique No: 5669222
 Signed: Kevin Marson
 Report Date: 30 Oct 2023

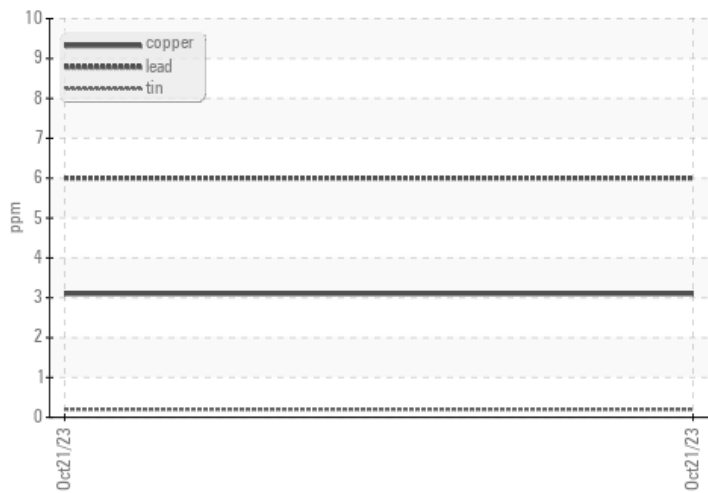


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

