

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 142304-1216 - Hydraulic System

Sample No: LH

Oil Type: PETRO CANADA HYDREX DT 46



PRODUITS FORESTIERS D.G. LTEE
 313 RANG ST-JOSEPH
 STE-AURELIE, QC
 CA G0M 1M0
 Contact: Roger .

T: (418)593-3547
 F: (418)593-3633

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.



SAMPLE INFORMATION

Sample Number	LH	---	---	---
Sample Date	25 Jul 2023	---	---	---
Machine Hours	3000	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 42.0	---	---	---
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CONTAMINATION

Particles >4µm		● 1903	---	---	---
Particles >6µm		● 435	---	---	---
Particles >14µm		● 20	---	---	---
ISO 4406:1999 (c)		18/16/11	---	---	---
Silicon	ppm	● 3	---	---	---
Sodium	ppm	● 1	---	---	---
Potassium	ppm	● <1	---	---	---



WEAR METALS

Iron	ppm	● 13	---	---	---
Copper	ppm	● 3	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 1	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

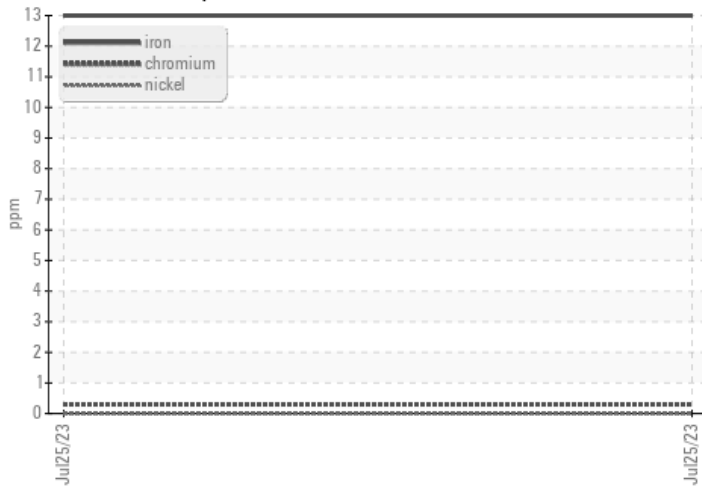
Calcium	ppm	1289	---	---	---
Magnesium	ppm	● 6	---	---	---
Zinc	ppm	● 680	---	---	---
Phosphorus	ppm	● 651	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 1	---	---	---

Depot: PRO9STE
Unique No: 5618040
Signed: Kevin Marson
Report Date: 31 Jul 2023

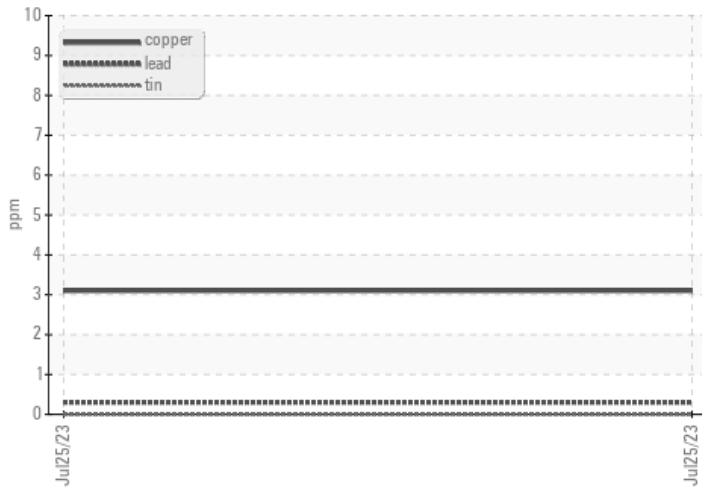


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

