

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 150728-1216 - Hydraulic System

Sample No: LH0242067

Oil Type: PETRO CANADA HYDREX AW 46



ABC RECYCLING

750C JACKSON RD

NANAIMO, BC

CA V9X 1J2

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SAMPLE INFORMATION

Sample Number	LH0242067	---	---	---
Sample Date	21 Nov 2023	---	---	---
Machine Hours	500	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 45.6	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		● 3604	---	---	---
Particles >6µm		● 207	---	---	---
Particles >14µm		● 7	---	---	---
ISO 4406:1999 (c)		19/15/10	---	---	---
Silicon	ppm	● 3	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● <1	---	---	---



WEAR METALS

Iron	ppm	● 6	---	---	---
Copper	ppm	● 2	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	● 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1322	---	---	---
Magnesium	ppm	● 4	---	---	---
Zinc	ppm	● 684	---	---	---
Phosphorus	ppm	● 592	---	---	---
Barium	ppm	● <1	---	---	---
Boron	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.

Depot: ABCNAN

Unique No: 5684386

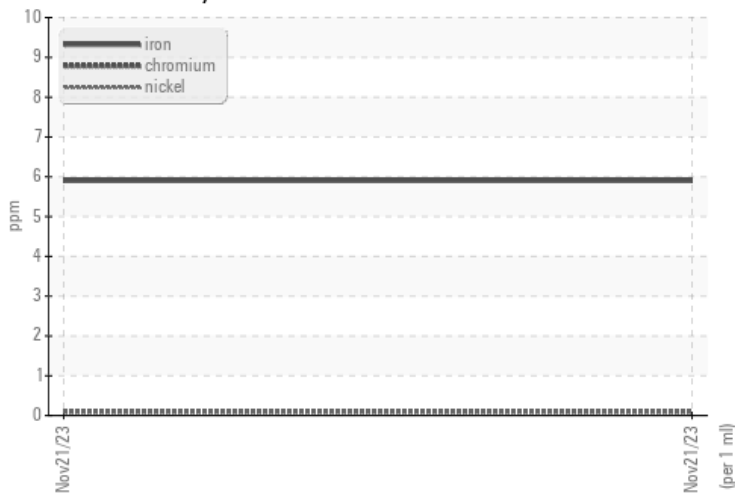
Signed: Kevin Marson

Report Date: 30 Nov 2023

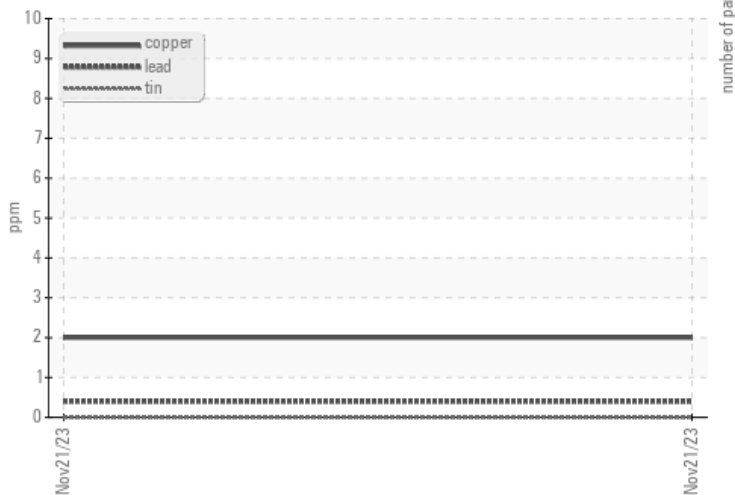


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

