LIEBHERR
CONSTRUCTION EQUIPMENT

LIEBHERR LH30M 145273-1253 - Hydraulic System

Sample No: LH

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL

METALEX RECYCLAGE
1646 ROUTE 169
SAINT-FELICIEN, QC
CA G8K 3A2
Contact: Service Manager

T:
F:

SAMPLE INFORMATION

Sample Number		**LH**	---	---	---
Sample Date		**20 Dec 2023**	---	---	---
Machine Hours		**500**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**Not Changd**	---	---	---
Sample Status		**ABNORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**44.1**	---	---	---

CONTAMINATION

Water	%	**NEG**	---	---	---
Particles >4µm		**49758**	---	---	---
Particles >6µm		**14671**	---	---	---
Particles >14µm		**1005**	---	---	---
ISO 4406:1999 (c)		**23/21/17**	---	---	---
Silicon	ppm	**4**	---	---	---
Sodium	ppm	**2**	---	---	---
Potassium	ppm	**2**	---	---	---

WEAR METALS

Iron	ppm	**10**	---	---	---
Copper	ppm	**3**	---	---	---
Lead	ppm	**<1**	---	---	---
Tin	ppm	**0**	---	---	---
Aluminum	ppm	**1**	---	---	---
Chromium	ppm	**0**	---	---	---
Molybdenum	ppm	**0**	---	---	---
Nickel	ppm	**<1**	---	---	---
Titanium	ppm	**0**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**0**	---	---	---
Vanadium	ppm	**0**	---	---	---

ADDITIVES

Calcium	ppm	**1376**	---	---	---
Magnesium	ppm	**4**	---	---	---
Zinc	ppm	**680**	---	---	---
Phosphorus	ppm	**610**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**<1**	---	---	---

Diagnosis

The filter change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. Additive levels indicate the addition of a different brand, or type of oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Depot: MET164SAI
Unique No: 5698406
Signed: Kevin Marson
Report Date: 28 Dec 2023

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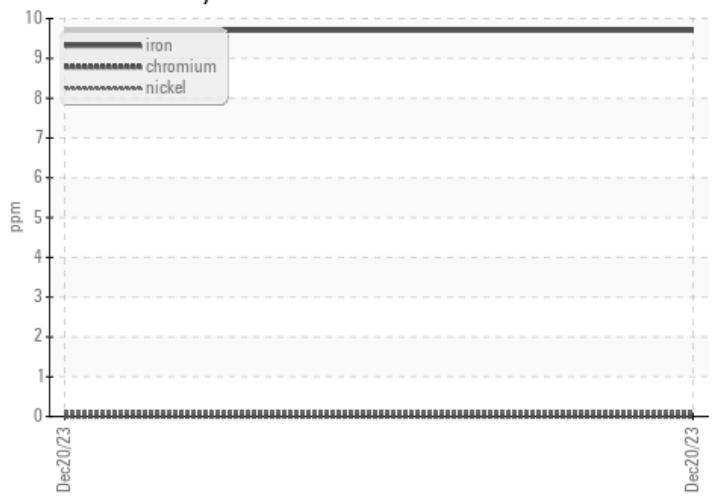
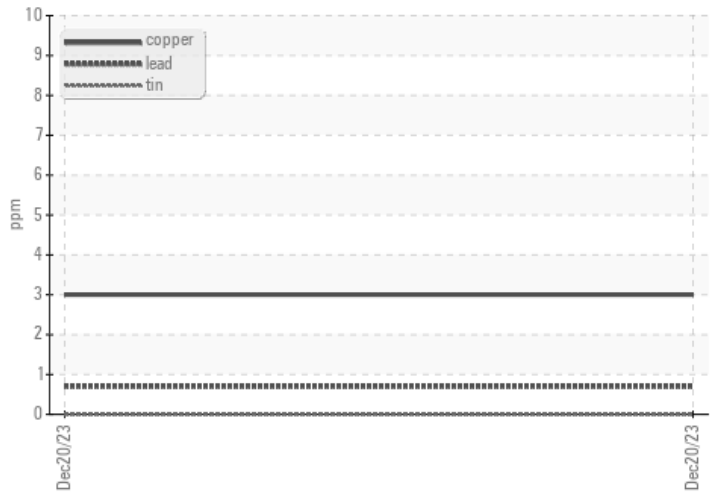
GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

Particle Count