

LIEBHERR

CONSTRUCTION EQUIPMENT



[(369353)] LIEBHERR LH30M 136880-1253 - Hydraulic System

Sample No: LH0260557

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



SAMPLE INFORMATION

Sample Number	LH0260557	LH0226443	---	---
Sample Date	12 Sep 2023	13 Feb 2023	---	---
Machine Hours	4272	2833	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

West Coast Metal Recycling

5771 Production Way

Langley, BC

CA V3A 4N5

Contact: Terry .

terry@gotmetal.ca

T:

F:



OIL CONDITION

Visc @ 40°C	cSt	● 42.7	● 42.7	---	---
Acid Number (AN)	mg KOH/g	---	● 0.49	---	---



CONTAMINATION

Particles >4µm		● 1090	● 305	---	---
Particles >6µm		● 214	● 29	---	---
Particles >14µm		● 15	● 4	---	---
ISO 4406:1999 (c)		17/15/11	15/12/9	---	---
Silicon	ppm	● 2	● 1	---	---
Sodium	ppm	● <1	● <1	---	---
Potassium	ppm	● <1	● <1	---	---



WEAR METALS

Iron	ppm	● 20	● 23	---	---
Copper	ppm	● 3	● 3	---	---
Lead	ppm	● <1	● 1	---	---
Tin	ppm	● 0	● 1	---	---
Aluminum	ppm	● <1	● <1	---	---
Chromium	ppm	● 2	● 2	---	---
Molybdenum	ppm	● <1	<1	---	---
Nickel	ppm	● 0	● 0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● <1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	● 149	208	---	---
Magnesium	ppm	● 2	2	---	---
Zinc	ppm	494	482	---	---
Phosphorus	ppm	406	424	---	---
Barium	ppm	● 0	0	---	---
Boron	ppm	● <1	<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: WES577LAN

Unique No: 5645081

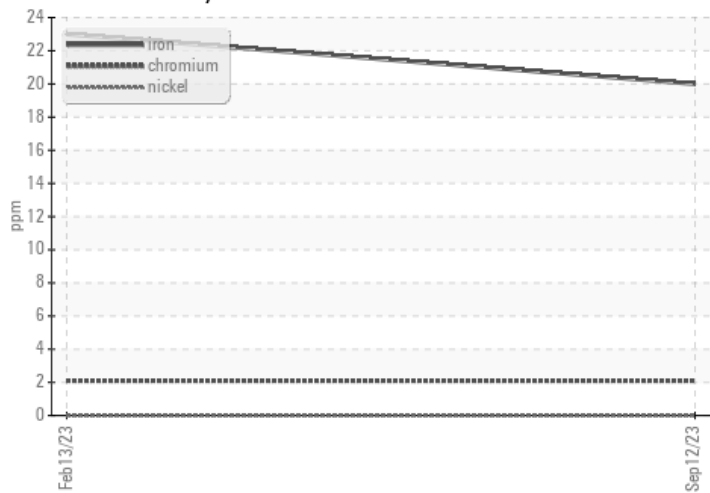
Signed: Wes Davis

Report Date: 21 Sep 2023

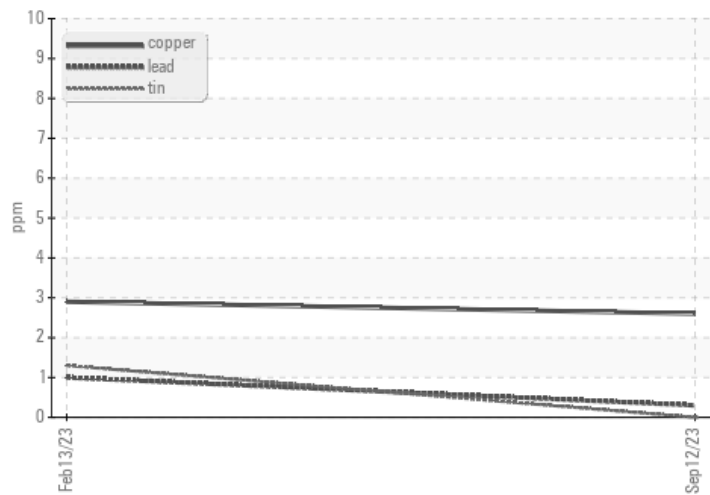


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

