

# LIEBHERR

## CONSTRUCTION EQUIPMENT



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

Sample No: LH0242045

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



#### SAMPLE INFORMATION

Sample Number	LH0242045	LH0260557	LH0226443	---
Sample Date	23 Nov 2023	12 Sep 2023	13 Feb 2023	---
Machine Hours	4745	4272	2833	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Changed	---
Sample Status	NORMAL	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	42.6	42.7	42.7	---
Acid Number (AN)	mg KOH/g	---	---	0.49	---



#### CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		311	1090	305	---
Particles >6µm		88	214	29	---
Particles >14µm		8	15	4	---
ISO 4406:1999 (c)		15/14/10	17/15/11	15/12/9	---
Silicon	ppm	2	2	1	---
Sodium	ppm	1	<1	<1	---
Potassium	ppm	0	<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.



#### WEAR METALS

Iron	ppm	19	20	23	---
Copper	ppm	3	3	3	---
Lead	ppm	<1	<1	1	---
Tin	ppm	0	0	1	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	2	2	2	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	<1	0	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

Calcium	ppm	136	149	208	---
Magnesium	ppm	2	2	2	---
Zinc	ppm	484	494	482	---
Phosphorus	ppm	384	406	424	---
Barium	ppm	<1	0	0	---
Boron	ppm	<1	<1	<1	---

Depot: WES577LAN

Unique No: 5685229

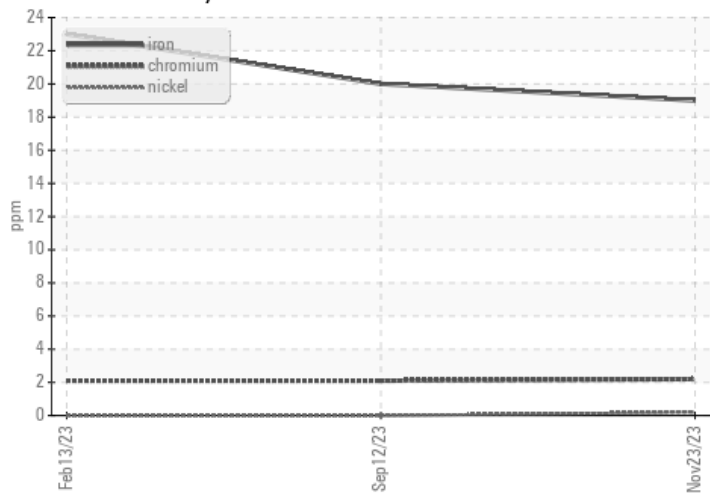
Signed: Kevin Marson

Report Date: 04 Dec 2023

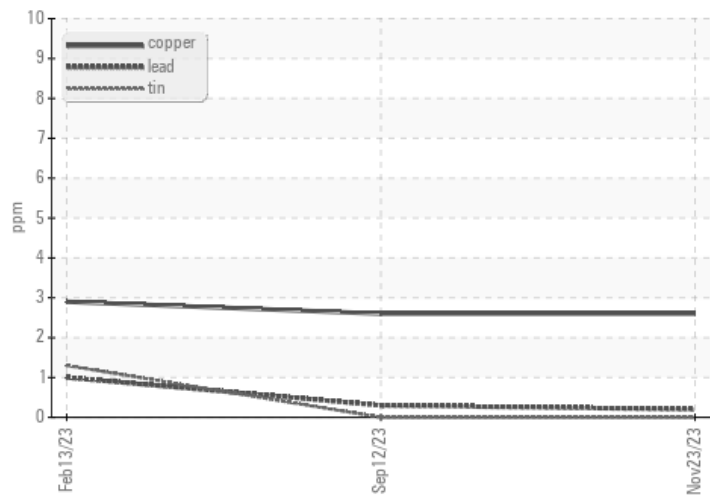


### GRAPHS

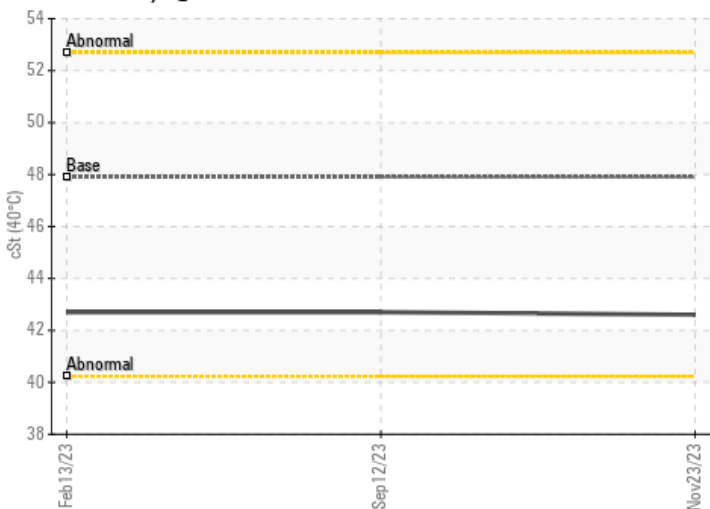
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

