

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 099527-1253 - Hydraulic System

Sample No: LH0284021

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



#### SAMPLE INFORMATION

Sample Number	LH0284021	LH0250577	LH0260641	LH0246870
Sample Date	24 Jan 2024	13 Sep 2023	23 Apr 2023	08 Feb 2023
Machine Hours	12056	11483	10800	10338
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

West Coast Metal Recycling

5771 Production Way

Langley, BC

CA V3A 4N5

Contact: Terry .

terry@gotmetal.ca

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#### OIL CONDITION

Visc @ 40°C	cSt	42.8	42.6	42.7	42.2



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		3178	418	4280	6341
Particles >6µm		523	137	1316	1583
Particles >14µm		14	20	96	175
ISO 4406:1999 (c)		19/16/11	16/14/11	19/18/14	20/18/15
Silicon	ppm	1	1	1	1
Sodium	ppm	<1	<1	<1	<1
Potassium	ppm	<1	<1	<1	0

#### 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	20	21	20	29
Copper	ppm	2	2	2	3
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	2	2	2	2
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	126	153	174	240
Magnesium	ppm	2	2	2	2
Zinc	ppm	469	509	555	497
Phosphorus	ppm	376	424	489	442
Barium	ppm	0	0	0	0
Boron	ppm	<1	<1	<1	2

Depot: WES577LAN

Unique No: 5720947

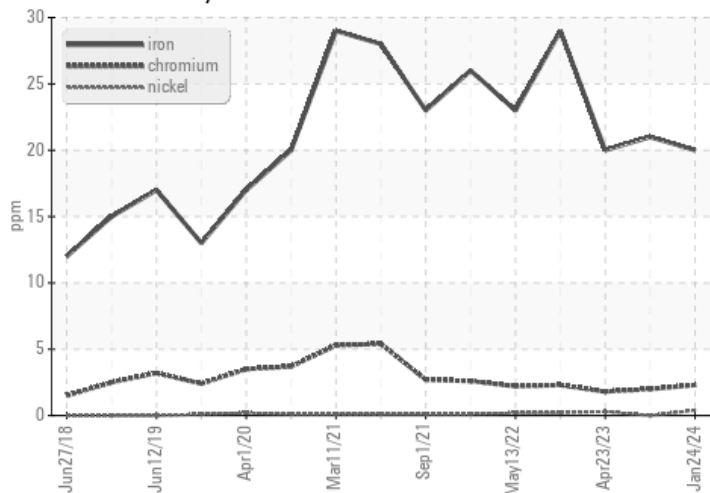
Signed: Bill Quesnel

Report Date: 31 Jan 2024

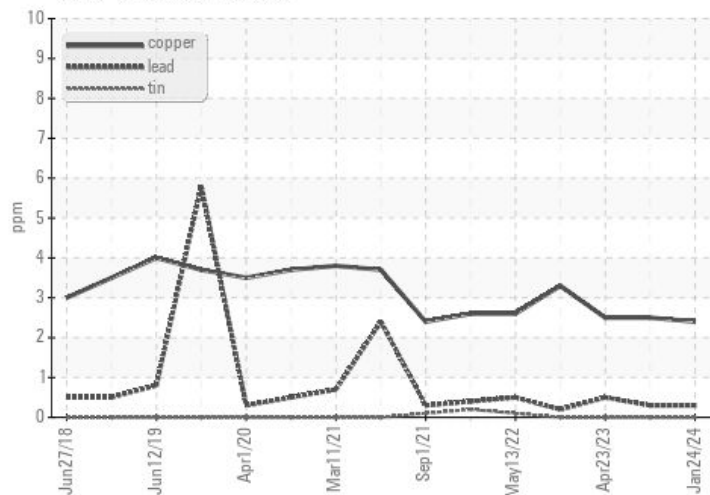


### GRAPHS

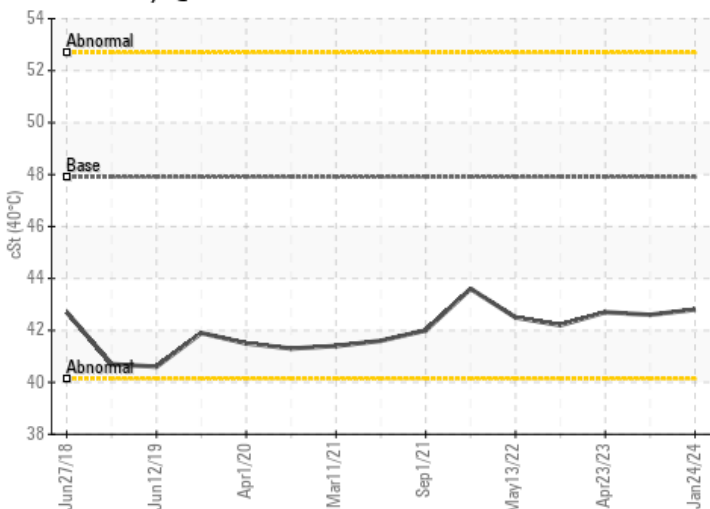
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

