

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH0115632

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



Sample Information

Sample Number	LH0115632	LH0281038	LH0242045	---
Sample Date	18 Jun 2024	15 Mar 2024	23 Nov 2023	---
Machine Hours	6158	5489	4745	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	Changed	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

West Coast Metal Recycling

5771 Production Way

Langley, BC

CA V3A 4N5

Contact: Terry .

terry@gotmetal.ca

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F:



Oil Condition

Visc @ 40°C	cSt	42.5	42.7	42.6	---
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Contamination

Water	%	NEG	NEG	NEG	---
Particles >4µm		8278	1284	311	---
Particles >6µm		1849	208	88	---
Particles >14µm		107	9	8	---
ISO 4406:1999 (c)		20/18/14	17/15/10	15/14/10	---
Silicon	ppm	0	<1	2	---
Sodium	ppm	<1	<1	1	---
Potassium	ppm	0	0	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	7	15	19	---
Copper	ppm	1	2	3	---
Lead	ppm	0	0	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	0	<1	---
Chromium	ppm	1	2	2	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	0	0	0	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	74	96	136	---
Magnesium	ppm	2	3	2	---
Zinc	ppm	450	460	484	---
Phosphorus	ppm	365	359	384	---
Barium	ppm	0	0	<1	---
Boron	ppm	<1	0	<1	---

Depot: WES577LAN

Unique No: 5814261

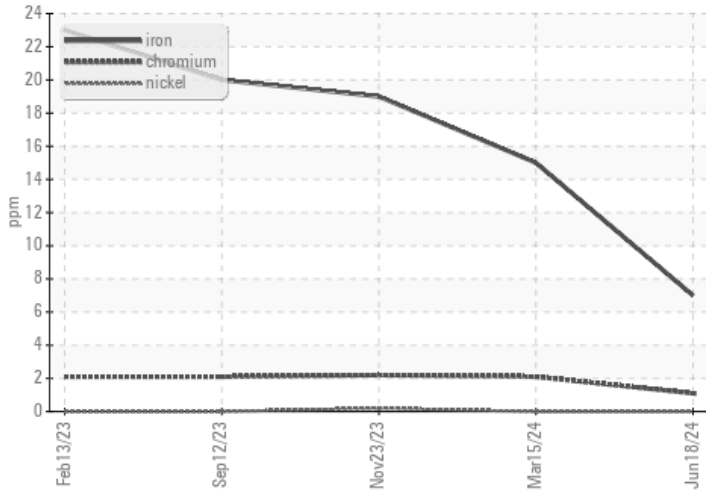
Signed: Wes Davis

Report Date: 19 Jul 2024

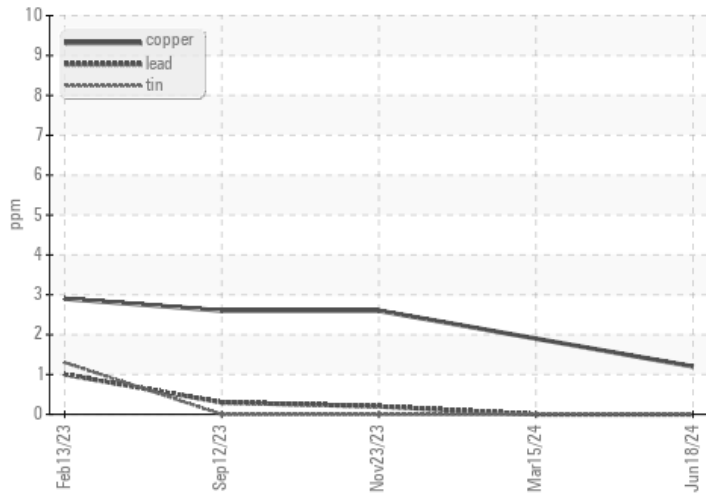


Graphs

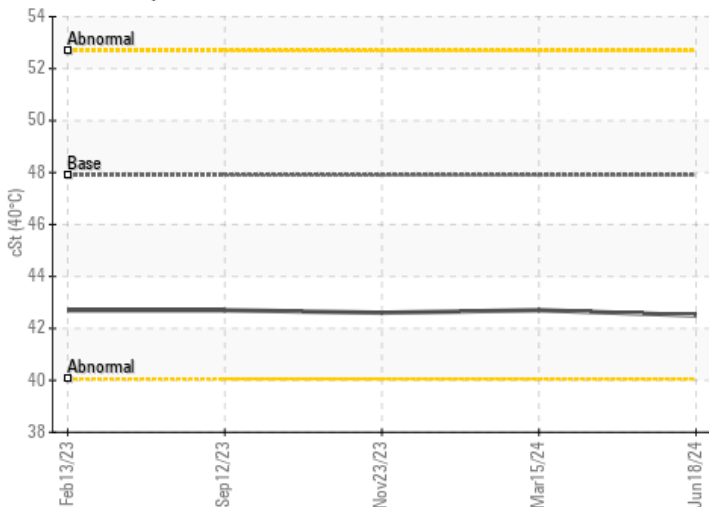
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

