

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 099527-1253 - Hydraulic System

Sample No: LH0250577

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



SAMPLE INFORMATION

Sample Number	LH0250577	LH0260641	LH0246870	LH0226773
Sample Date	13 Sep 2023	23 Apr 2023	08 Feb 2023	13 May 2022
Machine Hours	11483	10800	10338	8735
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Changed	Not Changd
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	42.6	42.7	42.2	42.5



CONTAMINATION

Particles >4µm		418	4280	6341	1459
Particles >6µm		137	1316	1583	253
Particles >14µm		20	96	175	16
ISO 4406:1999 (c)		16/14/11	19/18/14	20/18/15	18/15/11
Silicon	ppm	1	1	1	1
Sodium	ppm	<1	<1	<1	<1
Potassium	ppm	<1	<1	0	<1



WEAR METALS

Iron	ppm	21	20	29	23
Copper	ppm	2	2	3	3
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	2	2	2	2
Molybdenum	ppm	<1	<1	<1	1
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	153	174	240	323
Magnesium	ppm	2	2	2	3
Zinc	ppm	509	555	497	522
Phosphorus	ppm	424	489	442	454
Barium	ppm	0	0	0	0
Boron	ppm	<1	<1	2	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: 5645053

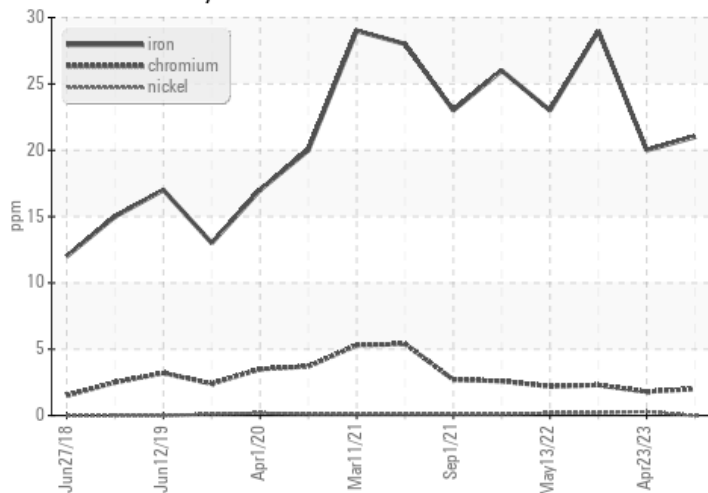
Signed: Wes Davis

Report Date: 21 Sep 2023

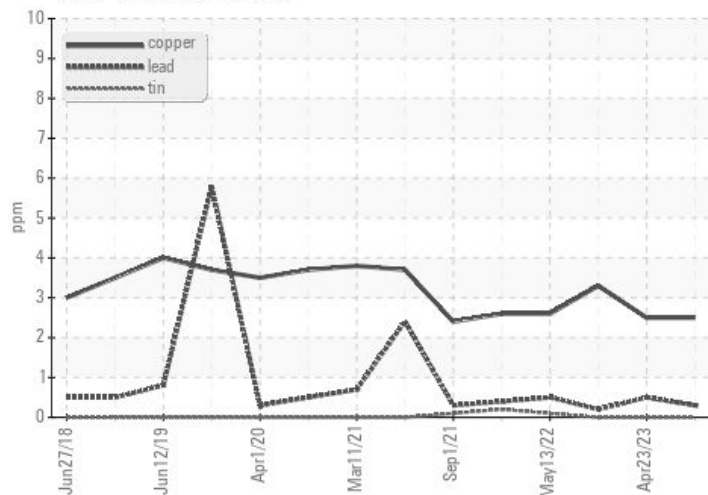


GRAPHS

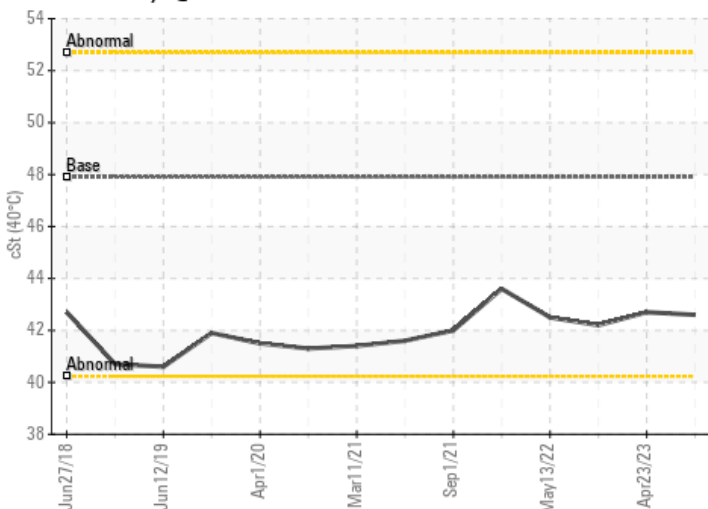
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

