

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 117 273-1253 - Hydraulic System

Sample No: LH0242028

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



SAMPLE INFORMATION

Sample Number	LH0242028	LH0260610	LH0226721	LH0152441
Sample Date	21 Sep 2023	27 Jul 2023	13 May 2022	09 Nov 2021
Machine Hours	9114	8795	5844	4278
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	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	42.8	42.6	42.8	42.5
Acid Number (AN)	mg KOH/g	---	---	---	0.45



CONTAMINATION

Particles >4µm		5158	823	5666	455
Particles >6µm		1010	198	1254	41
Particles >14µm		41	16	55	2
ISO 4406:1999 (c)		20/17/13	17/15/11	20/17/13	16/13/9
Silicon	ppm	1	1	1	1
Sodium	ppm	1	<1	<1	<1
Potassium	ppm	0	<1	<1	<1



WEAR METALS

Iron	ppm	18	18	20	30
Copper	ppm	2	2	2	3
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	2	2	2	3
Molybdenum	ppm	0	<1	1	2
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	143	150	346	197
Magnesium	ppm	3	2	3	3
Zinc	ppm	488	501	535	447
Phosphorus	ppm	380	412	460	370
Barium	ppm	0	0	0	0
Boron	ppm	<1	<1	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: 5646028

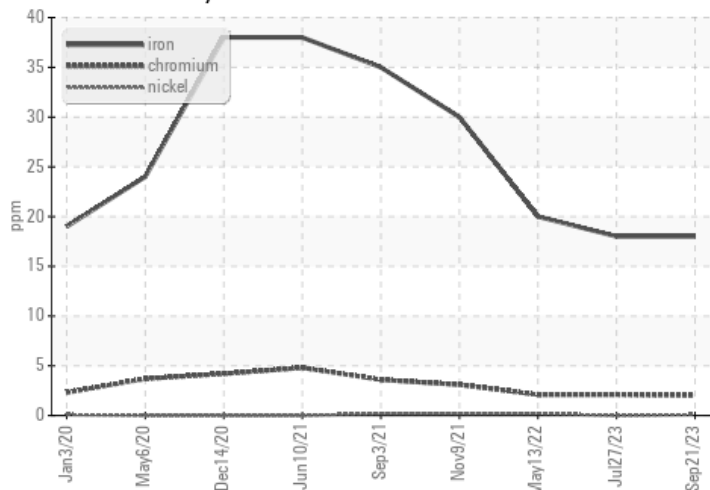
Signed: Wes Davis

Report Date: 26 Sep 2023

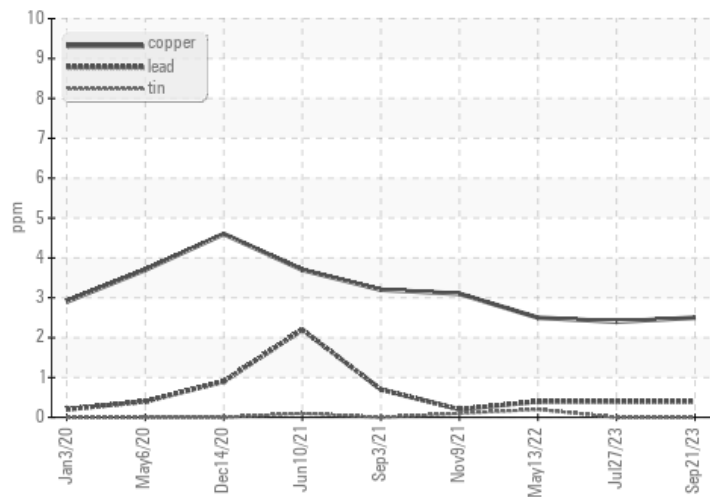


GRAPHS

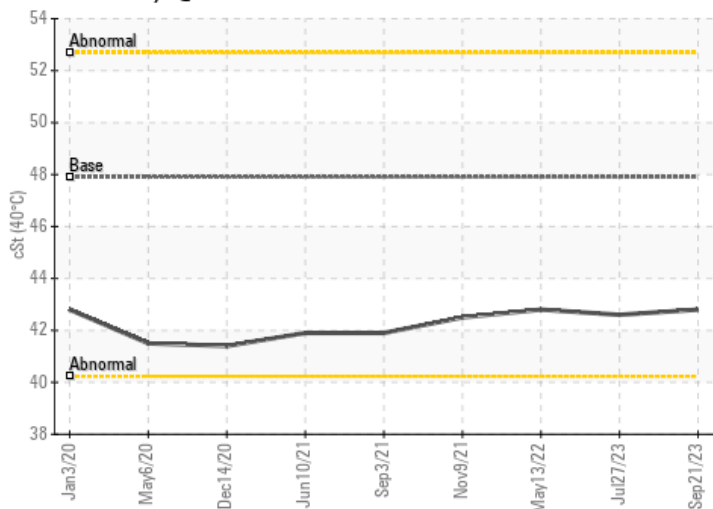
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

