

LIEBHERR

CONSTRUCTION EQUIPMENT



[WEST COAST] LIEBHERR R924 060467 - Hydraulic System

Sample No: LH0288015

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



Sample Information

Sample Number	LH0288015	LH0250568	LH0260574	LH0234178
Sample Date	08 May 2024	19 Sep 2023	27 Apr 2023	24 Feb 2023
Machine Hours	24317	23124	22672	22349
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

T:
F:



Oil Condition

Visc @ 40°C	cSt	43.1	42.8	42.6	49.1
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Contamination

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		8144	3758	1569	1593
Particles >6µm		888	104	310	109
Particles >14µm		60	4	25	7
ISO 4406:1999 (c)		20/17/13	19/14/9	18/15/12	18/14/10
Silicon	ppm	0	2	1	1
Sodium	ppm	<1	<1	1	<1
Potassium	ppm	<1	25	<1	0



Wear Metals

Iron	ppm	6	16	25	25
Copper	ppm	1	2	3	3
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	<1	1	2	2
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	<1	<1	0
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	80	130	208	219
Magnesium	ppm	3	2	2	2
Zinc	ppm	452	476	493	476
Phosphorus	ppm	351	372	432	439
Barium	ppm	0	0	0	0
Boron	ppm	<1	<1	<1	<1

Diagnosis

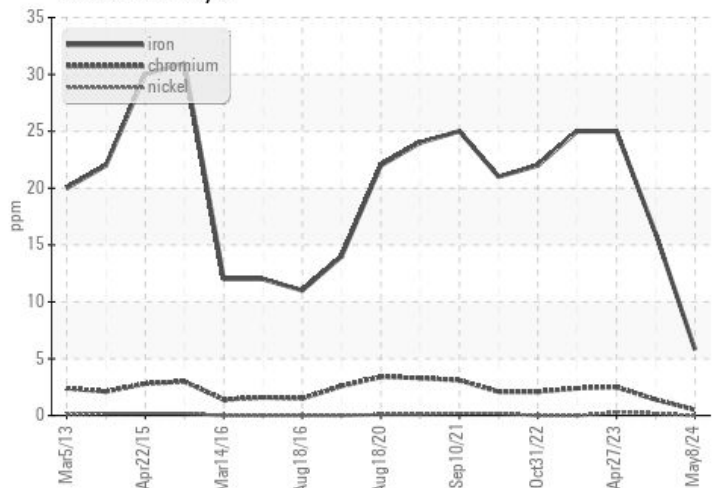
Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. Additive levels indicate 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: 5775792
Signed: Kevin Marson
Report Date: 13 May 2024

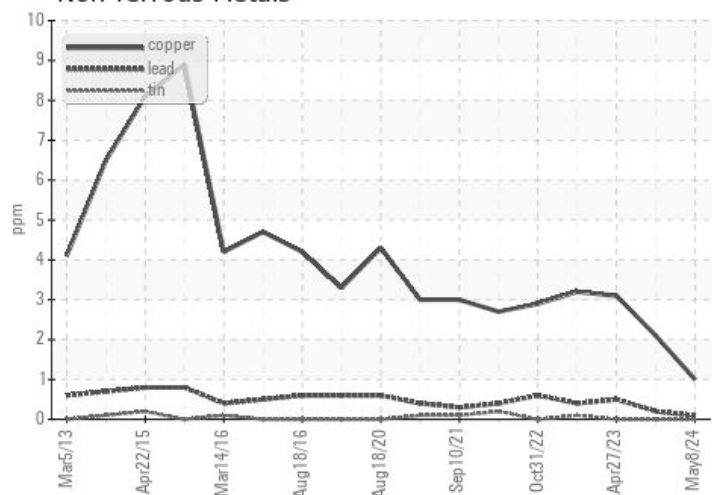


Graphs

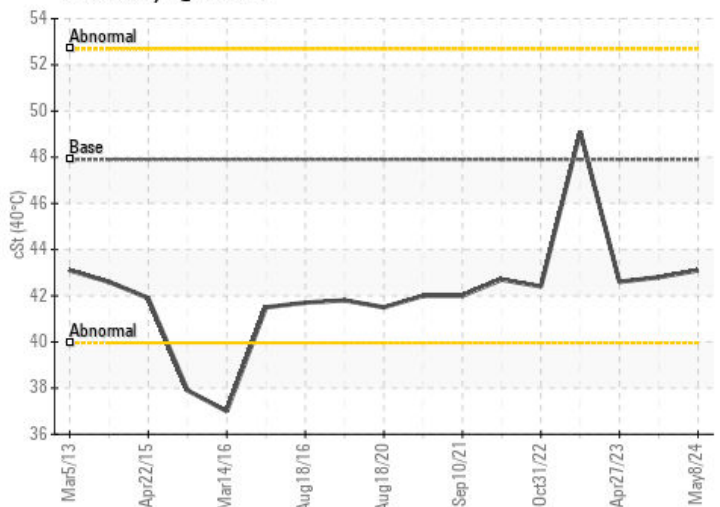
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

