

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LW3372 - Hydraulic System

Sample No: LH0284098

Oil Type: PETRO CANADA ENVIRON MV 46



Sample Information

Sample Number	LH0284098	LH0260626	LH0240783	LH0185847
Sample Date	14 Mar 2024	12 Jan 2024	07 Mar 2023	13 Mar 2021
Machine Hours	26781	26525	25274	22169
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	ATTENTION	NORMAL	ATTENTION	ATTENTION

Radius Recycling Canada Ltd.

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Surrey, BC

CA V3V 3T2

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Oil Condition

Visc @ 40°C	cSt	40.3	40.5	41.1	41.0
		●	●	●	●



Contamination

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		● 6714	● 4723	● 9908	● 6433
Particles >6µm		● 424	● 398	● 985	● 271
Particles >14µm		● 22	● 37	● 57	● 10
ISO 4406:1999 (c)		20/16/12	19/16/12	20/17/13	20/15/10
Silicon	ppm	● 0	● <1	● <1	● <1
Sodium	ppm	● <1	● 0	● <1	● <1
Potassium	ppm	● <1	● <1	● 0	● 0

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The condition of the oil is acceptable for the time in service.



Wear Metals

Iron	ppm	● 10	● 7	● 4	● 3
Copper	ppm	● <1	● <1	● <1	● <1
Lead	ppm	● 0	● <1	● 0	● 0
Tin	ppm	● 0	● 0	● 0	● 0
Aluminum	ppm	● <1	● 1	● <1	● <1
Chromium	ppm	● 2	● 1	● <1	● <1
Molybdenum	ppm	● 0	● 0	● <1	● <1
Nickel	ppm	● 0	● <1	● <1	● 0
Titanium	ppm	● 0	● 0	● 0	● 0
Silver	ppm	● 0	● 0	● 0	● <1
Manganese	ppm	● 0	● 0	● 0	● 0
Vanadium	ppm	● 0	● 0	● 0	● 0



Additives

Calcium	ppm	● 27	● 22	● 20	● 27
Magnesium	ppm	● 3	● 2	● 2	● 6
Zinc	ppm	● 17	● 15	● 18	● 31
Phosphorus	ppm	● 603	● 621	● 674	● 605
Barium	ppm	● 0	● 0	● 0	● 0
Boron	ppm	● <1	● <1	● <1	● 2

Depot: AMISUR

Unique No: 5760518

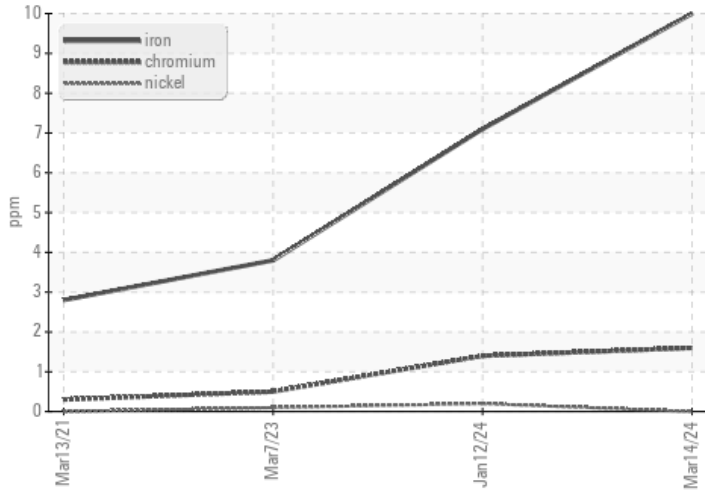
Signed: Kevin Marson

Report Date: 10 Apr 2024

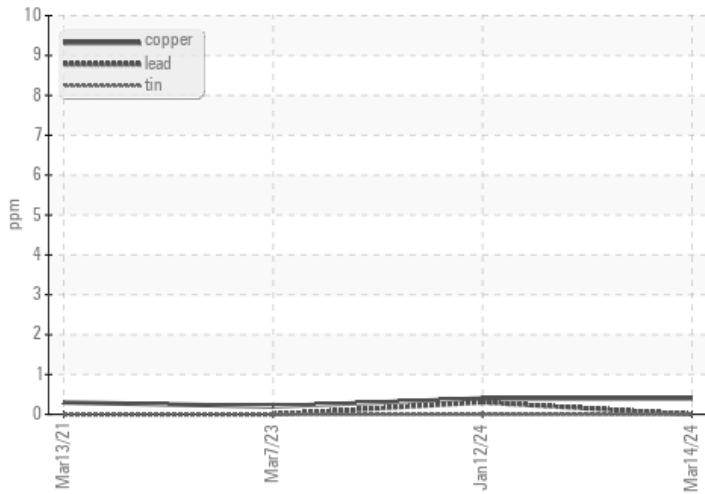


Graphs

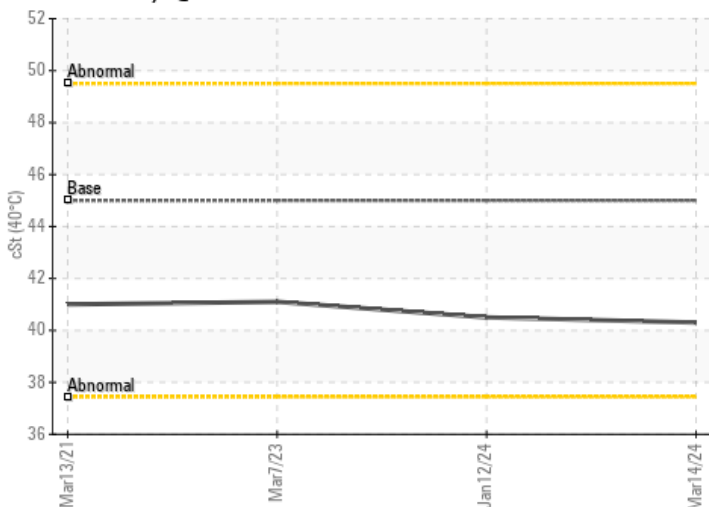
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

