

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A934C 044097-1007 - Hydraulic System

Sample No: LH0260510

Oil Type: PETRO CANADA HYDREX MV 46



Radius Recycling Canada Ltd.
 12195 Musqueam Dr.
 Surrey, BC
 CA V3V 3T2
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SAMPLE INFORMATION

Sample Number	LH0260510	LH0250494	LH0250490	LH0240707
Sample Date	25 Oct 2023	31 May 2023	29 Mar 2023	07 Feb 2023
Machine Hours	24814	24390	24147	23920
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	N/A
Sample Status	NORMAL	ATTENTION	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	40.6	40.8	40.6	41.3



CONTAMINATION

Particles >4µm		4487	29749	11368	2131
Particles >6µm		277	2153	223	346
Particles >14µm		9	33	10	26
ISO 4406:1999 (c)		19/15/10	22/18/12	21/15/10	18/16/12
Silicon	ppm	<1	<1	<1	<1
Sodium	ppm	<1	<1	<1	0
Potassium	ppm	0	<1	0	0



WEAR METALS

Iron	ppm	11	11	12	7
Copper	ppm	2	1	1	<1
Lead	ppm	<1	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	2	1	1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	0	<1	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	57	17	23	26
Magnesium	ppm	6	3	3	2
Zinc	ppm	31	17	21	22
Phosphorus	ppm	618	648	696	670
Barium	ppm	<1	0	0	0
Boron	ppm	1	<1	<1	1

Diagnosis

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. The condition of the oil is acceptable for the time in service.

Depot: AMISUR
 Unique No: 5671527
 Signed: Wes Davis
 Report Date: 07 Nov 2023

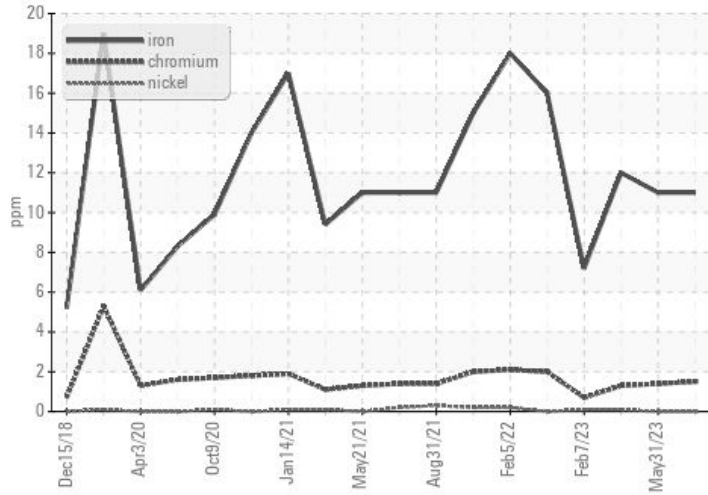
LIEBHERR

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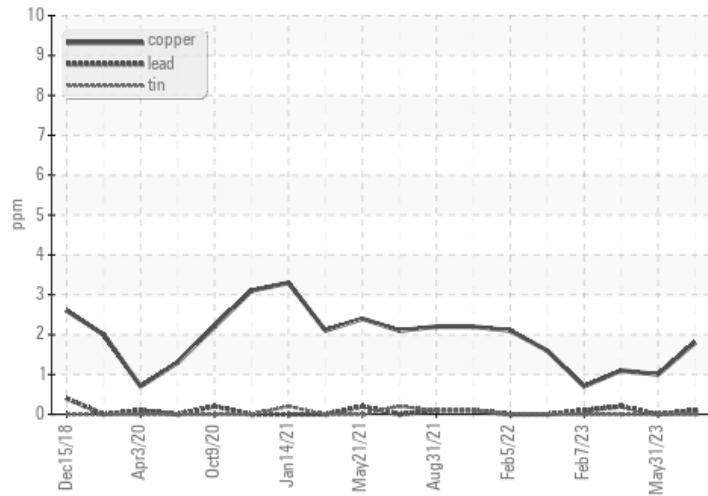


GRAPHS

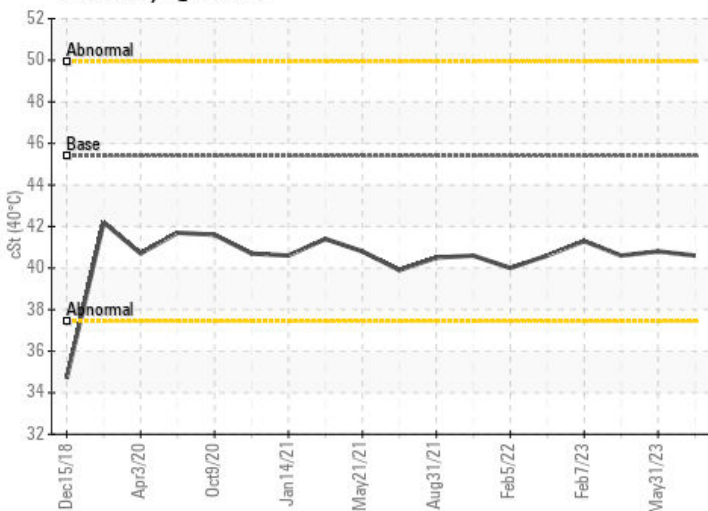
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

