

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A904C 62433-1071 (S/N 1071-62433) - Hydraulic S

Sample No: LH0250509

Oil Type: PETRO CANADA ENVIRON MV 46



Radius Recycling Canada Ltd.
 12195 Musqueam Dr.
 Surrey, BC
 CA V3V 3T2
 Contact: Shane Brown
 sbrown@amix.ca
 T: (604)823-6990
 F: (604)823-6913



SAMPLE INFORMATION

Sample Number	LH0250509	LH0250525	LH0250485	LH0240782
Sample Date	18 Sep 2023	27 Jul 2023	09 May 2023	13 Mar 2023
Machine Hours	20916	20652	0	20102
Oil Hours	0	0	0	0
Oil Changed	N/A	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL



OIL CONDITION

Visc @ 40°C	cSt	40.4	40.6	40.6	40.6
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CONTAMINATION

Particles >4µm		4969	4251	27795	10934
Particles >6µm		284	356	7339	361
Particles >14µm		5	26	244	22
ISO 4406:1999 (c)		19/15/10	19/16/12	22/20/15	21/16/12
Silicon	ppm	1	1	<1	<1
Sodium	ppm	2	1	1	1
Potassium	ppm	1	2	2	1



WEAR METALS

PQ		3	5	3	6
Iron	ppm	82	80	78	62
Copper	ppm	2	2	2	2
Lead	ppm	<1	<1	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	<1	1	<1
Chromium	ppm	3	3	3	3
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	1	1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	16	19	15	15
Magnesium	ppm	4	4	3	3
Zinc	ppm	26	27	24	23
Phosphorus	ppm	592	643	627	659
Barium	ppm	<1	0	0	0
Boron	ppm	<1	<1	<1	<1

Diagnosis

We recommend an early resample to monitor this condition. Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. 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: 5658745
 Signed: Kevin Marson
 Report Date: 18 Oct 2023

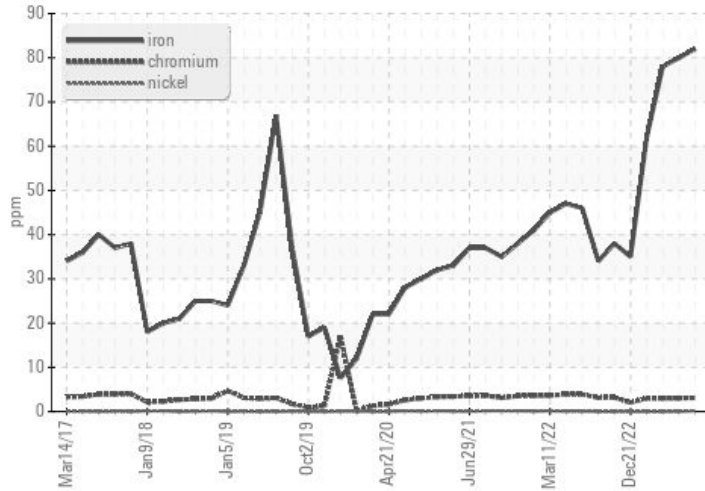
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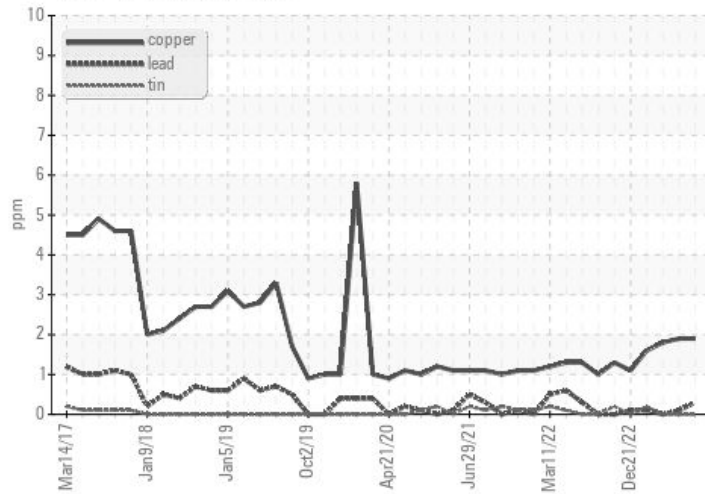


GRAPHS

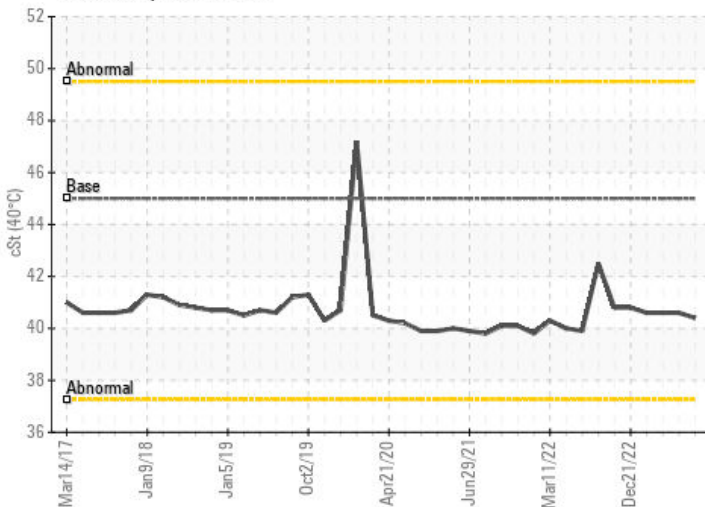
● Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

