LIEBHERR
CONSTRUCTION EQUIPMENT

[[5]] LIEBHERR A904C 62433-1071 (S/N 1071-62433) - Hydrauli

Sample No: LH0296348

Oil Type: PETRO CANADA ENVIRON MV 46

Radius Recycling Canada Ltd.
12195 Musqueam Dr.
Surrey, BC
CA V3V 3T2
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Sample Information

Sample Number		**LH0296348**	LH0284103	LH0284097	LH0260573
Sample Date		**02 Jul 2024**	30 Apr 2024	13 Mar 2024	18 Jan 2024
Machine Hours		**22207**	21966	21727	21444
Oil Hours		**0**	0	0	0
Oil Changed		**Not Changd**	Not Changd	Not Changd	Not Changd
Sample Status		**NORMAL**	ABNORMAL	ABNORMAL	ABNORMAL

Oil Condition

Visc @ 40°C	cSt	**40.8**	40.6	40.1	40.4

Contamination

Water	%	**NEG**	NEG	NEG	NEG
Particles >4µm		**2228**	1107	5254	1956
Particles >6µm		**141**	76	250	145
Particles >14µm		**10**	9	16	10
ISO 4406:1999 (c)		**18/14/10**	17/13/10	20/15/11	18/14/10
Silicon	ppm	**<1**	0	0	1
Sodium	ppm	**1**	1	2	2
Potassium	ppm	**<1**	1	2	2

Wear Metals

PQ		**---**	0	5	4
Iron	ppm	**42**	62	91	82
Copper	ppm	**1**	1	2	2
Lead	ppm	**0**	0	0	<1
Tin	ppm	**0**	0	0	0
Aluminum	ppm	**<1**	<1	<1	1
Chromium	ppm	**3**	3	4	4
Molybdenum	ppm	**0**	0	0	0
Nickel	ppm	**<1**	0	0	<1
Titanium	ppm	**0**	0	0	0
Silver	ppm	**0**	0	0	0
Manganese	ppm	**<1**	<1	0	<1
Vanadium	ppm	**0**	0	0	0

Additives

Calcium	ppm	**8**	10	15	16
Magnesium	ppm	**2**	3	4	4
Zinc	ppm	**17**	19	27	26
Phosphorus	ppm	**585**	574	580	589
Barium	ppm	**<1**	<1	<1	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: 5813224
Signed: Wes Davis
Report Date: 15 Jul 2024

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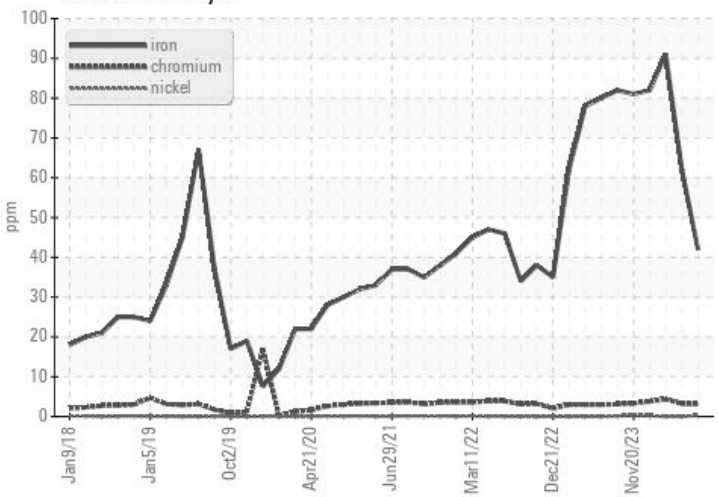
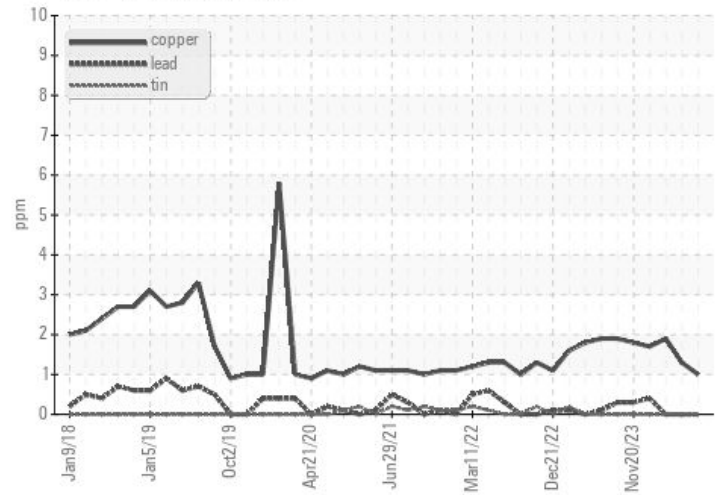
Graphs

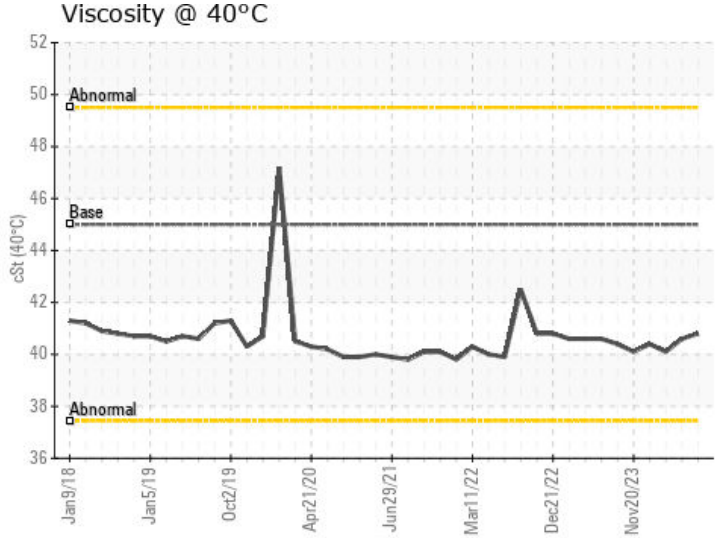
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count