



# LIEBHERR

## OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Machine Id  
**LIEBHERR A934C MH71007**  
Component  
**Hydraulic System**  
Fluid  
**PETRO CANADA HYDREX MV 46 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LH0260630</b>	LH0250514	---
Sample Date		Client Info		<b>22 Dec 2023</b>	23 Aug 2023	---
Machine Age	hrs	Client Info		<b>25122</b>	24638	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>50	<b>14</b>	8	---
Chromium	ppm	ASTM D5185(m)	>5	<b>2</b>	1	---
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	0	---
Lead	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185(m)	>15	<b>2</b>	1	---
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

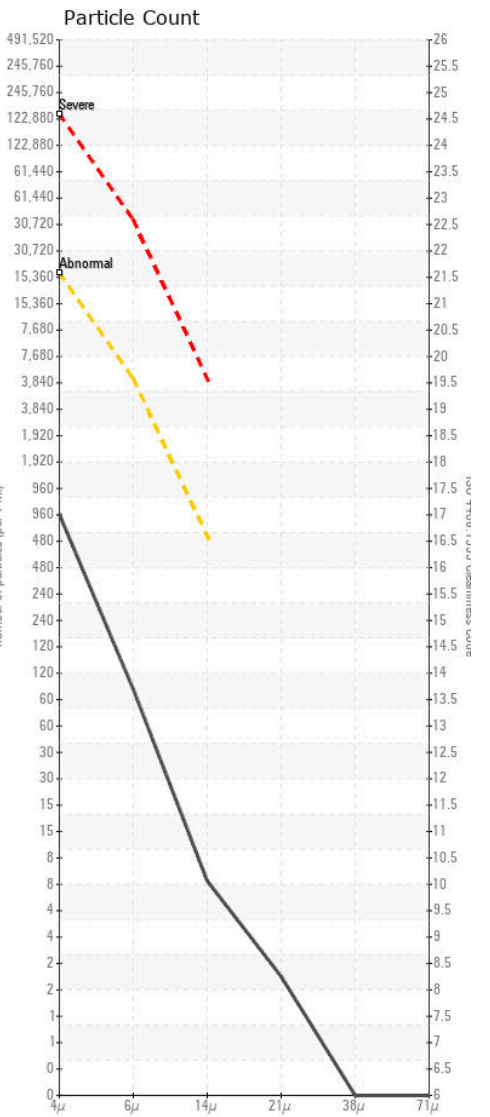
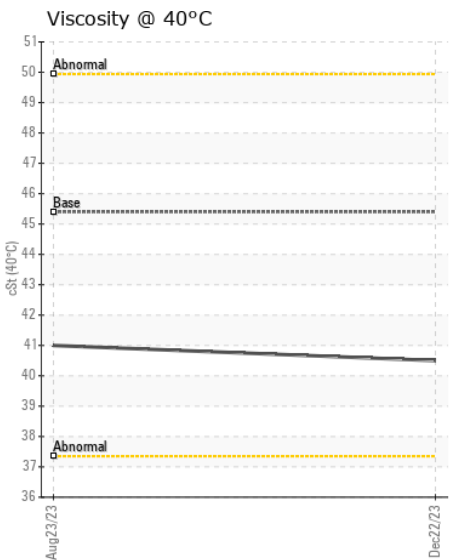
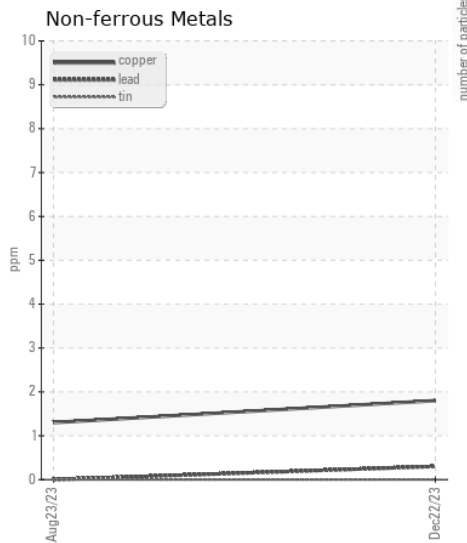
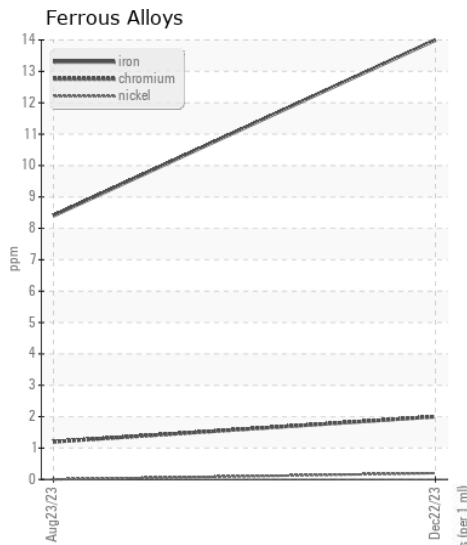
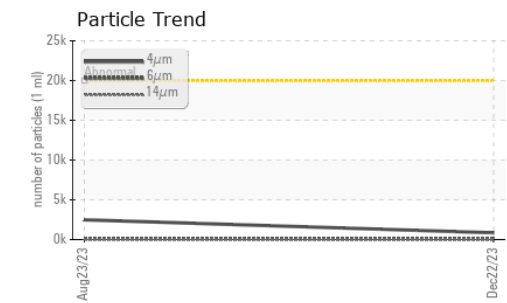
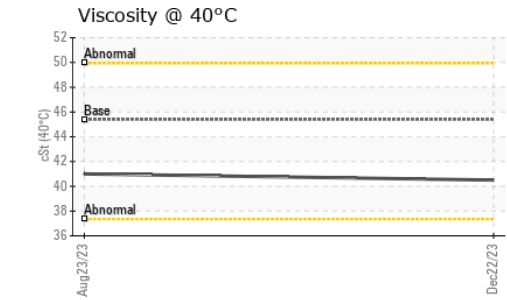
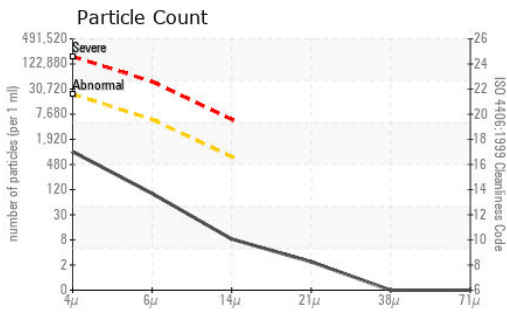
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Particles >4µm		ASTM D7647	>20000	<b>851</b>	2491	---
Particles >6µm		ASTM D7647	>5000	<b>86</b>	115	---
Particles >14µm		ASTM D7647	>640	<b>7</b>	7	---
Particles >21µm		ASTM D7647	>160	<b>2</b>	2	---
Particles >38µm		ASTM D7647	>40	<b>0</b>	0	---
Particles >71µm		ASTM D7647	>10	<b>0</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<b>17/14/10</b>	18/14/10	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Boron	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	---
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	<1	---
Manganese	ppm	ASTM D5185(m)	1	<b>0</b>	0	---
Magnesium	ppm	ASTM D5185(m)	0	<b>6</b>	6	---
Calcium	ppm	ASTM D5185(m)	50	<b>49</b>	53	---
Phosphorus	ppm	ASTM D5185(m)	330	<b>619</b>	635	---
Zinc	ppm	ASTM D5185(m)	430	<b>28</b>	30	---
Sulfur	ppm	ASTM D5185(m)	760	<b>1489</b>	1404	---
Visc @ 40°C	cSt	ASTM D7279(m)	45.4	<b>40.5</b>	41.0	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : LH0260630 **Received** : 27 Feb 2024  
**Lab Number** : 02618400 **Tested** : 28 Feb 2024  
**Unique Number** : 5735510 **Diagnosed** : 28 Feb 2024 - Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: PrtCount )

**Radius Recycling Canada Ltd.**  
 12195 Musqueam Dr.  
 Surrey, BC  
 CA V3V 3T2  
 Contact: Shirley Bliss  
 sb bliss@schn.com  
 T:  
 F: (604)580-1922

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.