



OIL ANALYSIS REPORT

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

Area  
**EQUINIX [154]**  
 Machine Id  
**GEN E-YELLOW (S/N 33144756)**  
 Component  
**Diesel Engine**  
 Fluid  
**VALVOLINE 15W40 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>CU0022667</b>	CU0020862	CU0006457
Sample Date		Client Info		<b>03 Apr 2024</b>	31 Mar 2023	24 Jun 2011
Machine Age	hrs	Client Info		<b>504</b>	483	259
Oil Age	hrs	Client Info		<b>50</b>	0	0
Filter Age	hrs	Client Info		<b>18</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	N/A	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>65	<b>2</b>	2	3
Chromium	ppm	ASTM D5185(m)	>3	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>6	<b>1</b>	<1	<1
Lead	ppm	ASTM D5185(m)	>13	<b>2</b>	<1	1
Copper	ppm	ASTM D5185(m)	>65	<b>101</b>	16	11
Tin	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>VLITE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

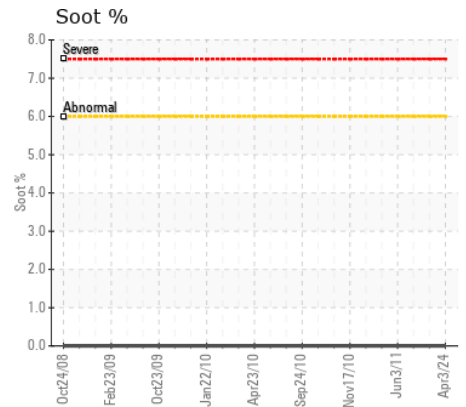
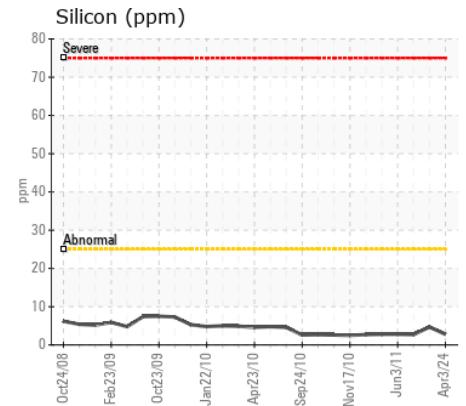
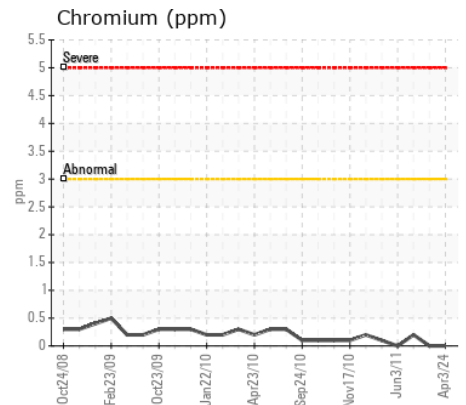
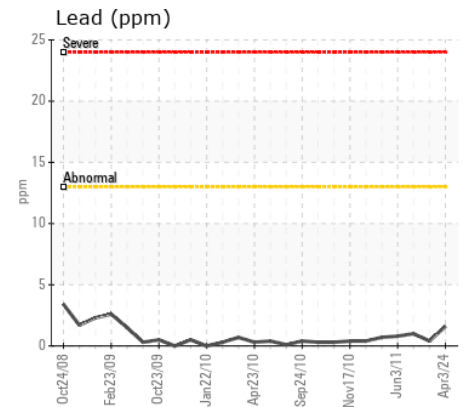
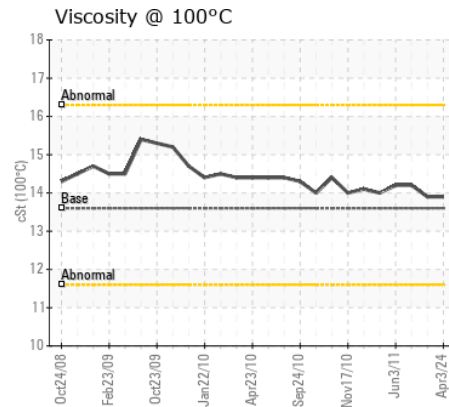
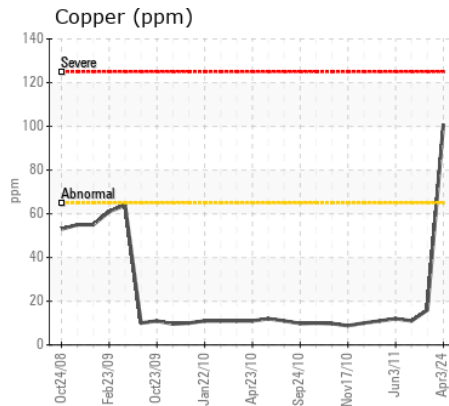
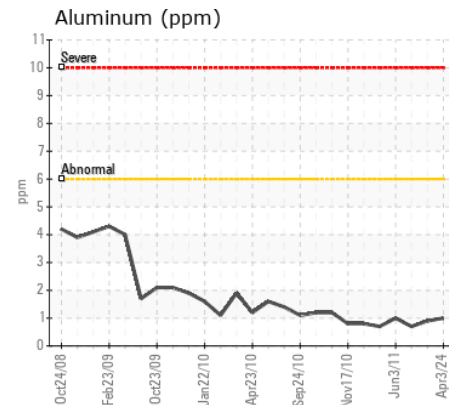
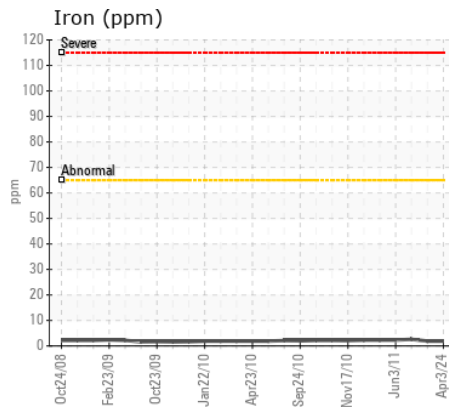
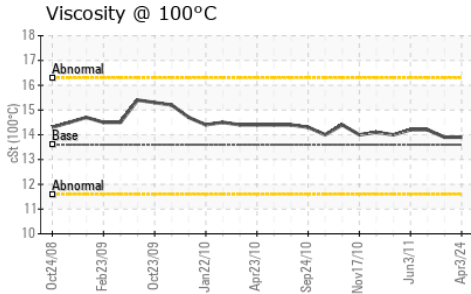
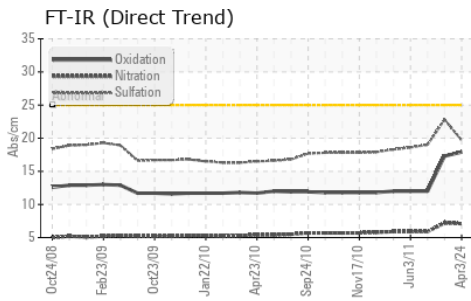
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>3</b>	5	3
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	<1
Fuel		WC Method	>3.0	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	ASTM D7844*	>6	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.1</b>	7.2	5.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>19.7</b>	22.8	19.0
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)		<b>3</b>	3	4
Boron	ppm	ASTM D5185(m)	39	<b>77</b>	81	15
Barium	ppm	ASTM D5185(m)	1	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	49	<b>51</b>	50	62
Manganese	ppm	ASTM D5185(m)	1	<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185(m)	616	<b>757</b>	754	870
Calcium	ppm	ASTM D5185(m)	1554	<b>1247</b>	1322	1823
Phosphorus	ppm	ASTM D5185(m)	899	<b>755</b>	815	1139
Zinc	ppm	ASTM D5185(m)	1069	<b>859</b>	879	1525
Sulfur	ppm	ASTM D5185(m)	2624	<b>2060</b>	2187	3998
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>17.9</b>	17.3	12.0
Visc @ 100°C	cSt	ASTM D7279(m)	13.6	<b>13.9</b>	13.9	14.2



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : CU0022667  
**Lab Number** : 02631883  
**Unique Number** : 5773036  
**Test Package** : MOB 1 ( Additional Tests: Visual )

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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.