



**POWER SYSTEMS**  
**SYSTÈMES DE PUISSANCE**

**OIL ANALYSIS REPORT**

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

Machine Id  
**S2X00598**  
Component  
**Port Diesel Engine**  
Fluid  
**IRVING 15W40 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WA0021471</b>	---	---
Sample Date		Client Info		<b>30 Apr 2024</b>	---	---
Machine Age	hrs	Client Info		<b>9833</b>	---	---
Oil Age	hrs	Client Info		<b>716</b>	---	---
Filter Age	hrs	Client Info		<b>716</b>	---	---
Oil Changed		Client Info		<b>Not Changd</b>	---	---
Filter Changed		Client Info		<b>Not Changd</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<b>2</b>	---	---
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	---	---
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	---	---
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>1</b>	---	---
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	---	---
Copper	ppm	ASTM D5185(m)	>330	<b>1</b>	---	---
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---

**CONTAMINATION**

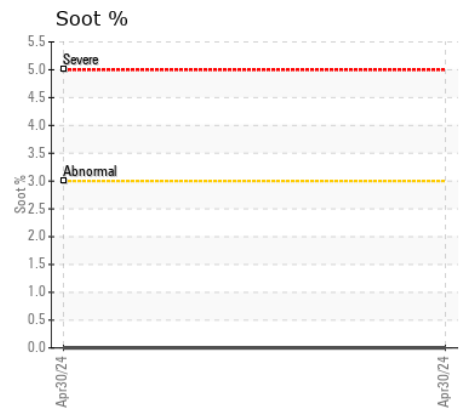
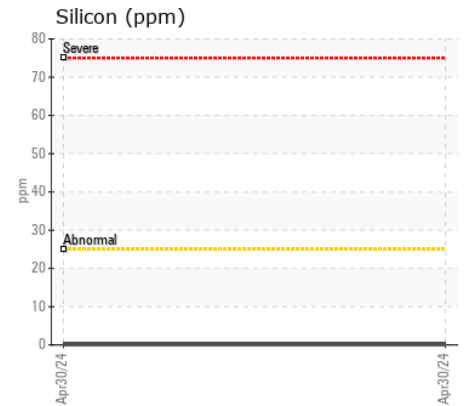
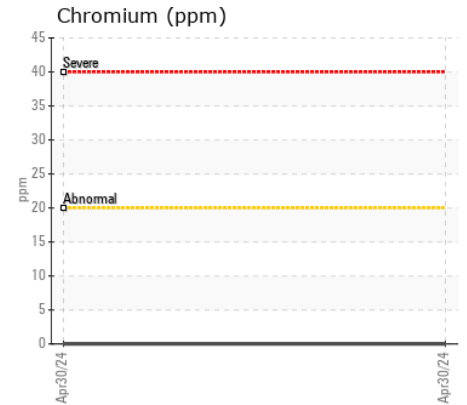
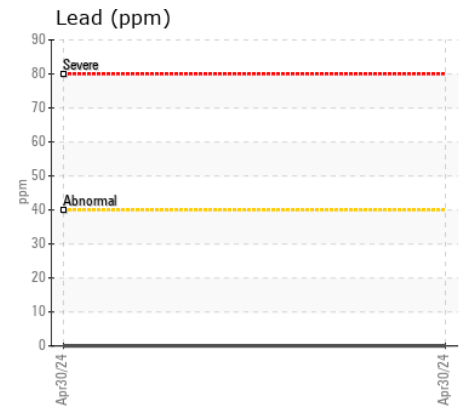
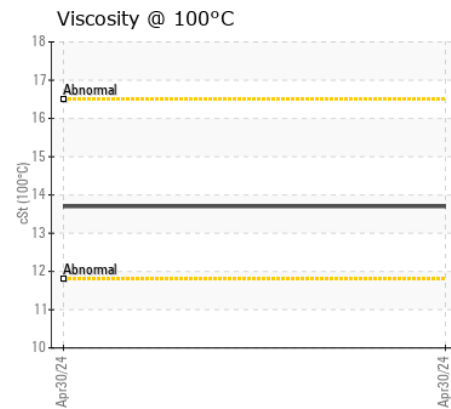
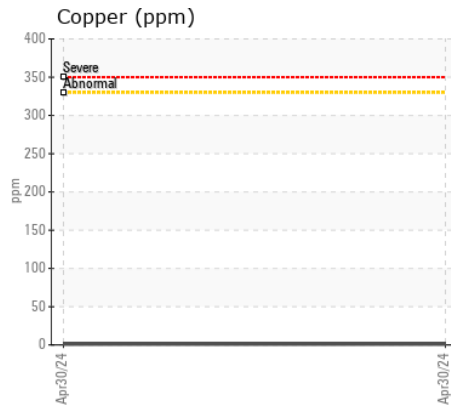
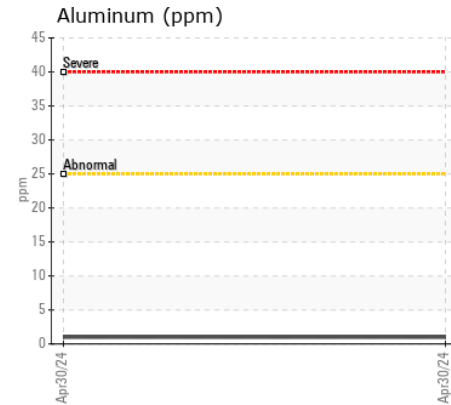
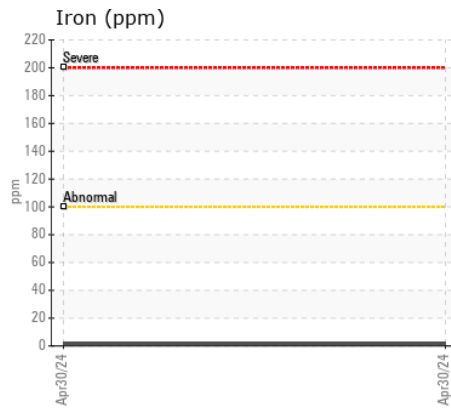
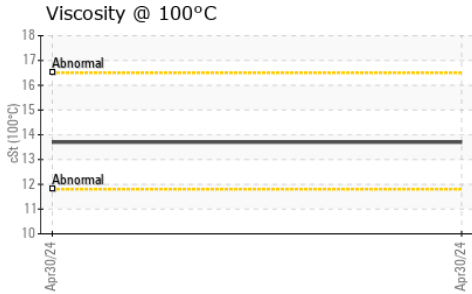
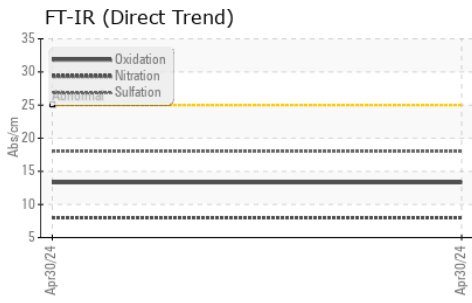
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Fuel		WC Method	>5	<b>&lt;1.0</b>	---	---
Water		WC Method	>0.2	<b>NEG</b>	---	---
Glycol		WC Method		<b>NEG</b>	---	---
Soot %	%	ASTM D7844*	>3	<b>0</b>	---	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.0</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>18.0</b>	---	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	---	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)	>101	<b>&lt;1</b>	---	---
Boron	ppm	ASTM D5185(m)		<b>71</b>	---	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>6</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m)		<b>57</b>	---	---
Calcium	ppm	ASTM D5185(m)		<b>2065</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>941</b>	---	---
Zinc	ppm	ASTM D5185(m)		<b>1090</b>	---	---
Sulfur	ppm	ASTM D5185(m)		<b>3129</b>	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>13.3</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		<b>13.7</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WA0021471  
**Lab Number** : 02633839  
**Unique Number** : 5774992  
**Test Package** : MOB 1  
**Received** : 07 May 2024  
**Tested** : 07 May 2024  
**Diagnosed** : 07 May 2024 - Wes Davis

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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.