



# OIL ANALYSIS REPORT

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

Machine Id  
**1922**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 15W40 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0932503</b>	WC0925690	WC0905437
Sample Date		Client Info		<b>08 May 2024</b>	10 Apr 2024	02 Mar 2024
Machine Age	hrs	Client Info		<b>17349</b>	17009	16503
Oil Age	hrs	Client Info		<b>567</b>	500	491
Filter Age	hrs	Client Info		<b>567</b>	500	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<b>9</b>	14	15
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>1</b>	1	<1
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>330	<b>3</b>	4	4
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

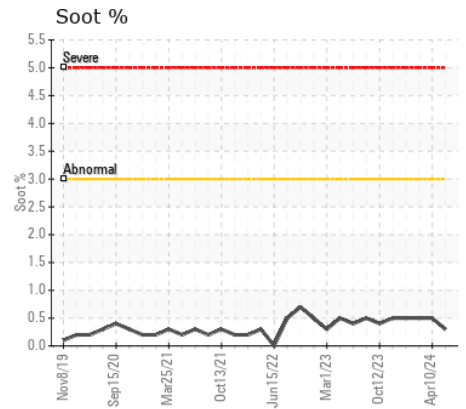
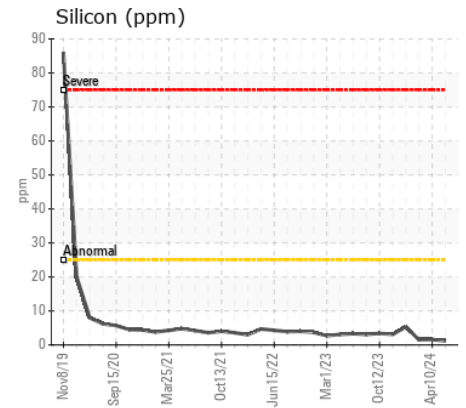
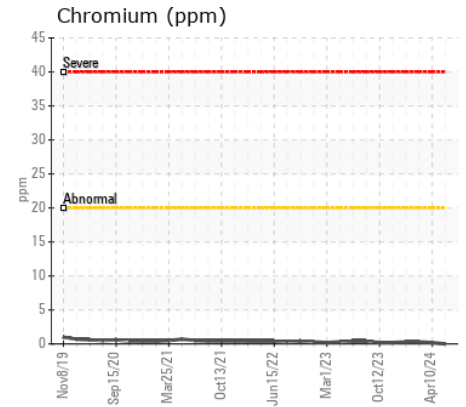
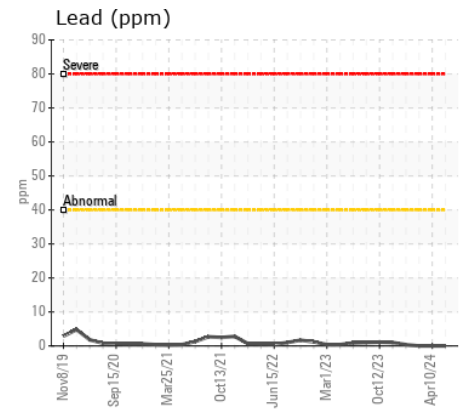
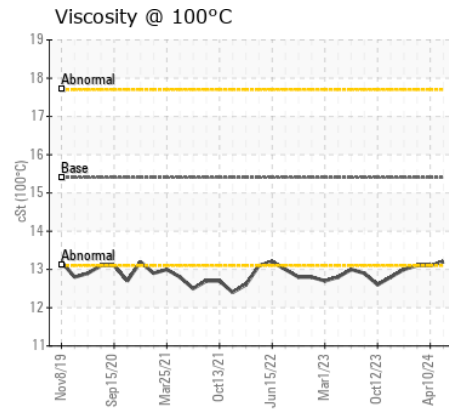
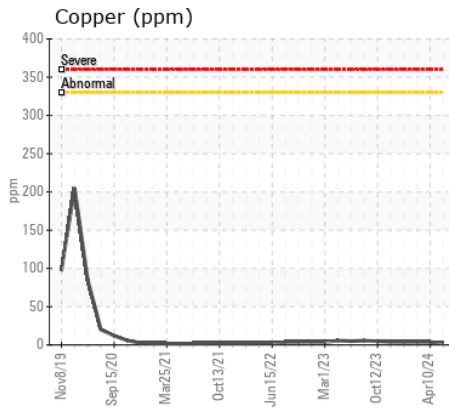
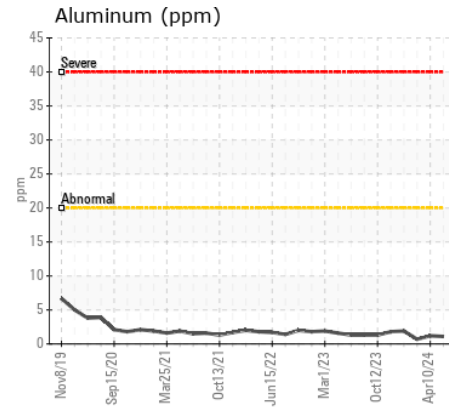
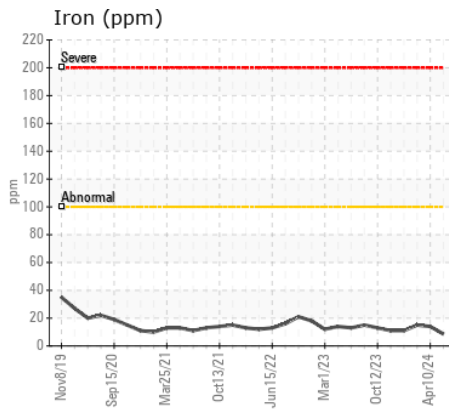
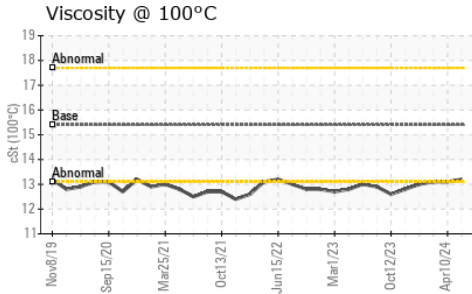
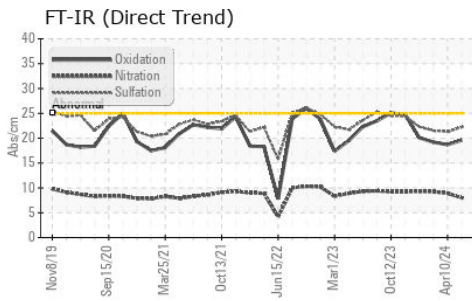
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>1</b>	2	2
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Fuel		WC Method	>5	<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*	>3	<b>0.3</b>	0.5	0.5
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.0</b>	8.9	9.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>22.2</b>	21.3	21.5
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>&lt;1</b>	1	1
Boron	ppm	ASTM D5185(m)	0	<b>2</b>	2	0
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	60	<b>61</b>	60	60
Manganese	ppm	ASTM D5185(m)	0	<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185(m)	1010	<b>992</b>	989	991
Calcium	ppm	ASTM D5185(m)	1070	<b>1065</b>	1059	1074
Phosphorus	ppm	ASTM D5185(m)	1150	<b>1039</b>	1002	998
Zinc	ppm	ASTM D5185(m)	1270	<b>1216</b>	1197	1207
Sulfur	ppm	ASTM D5185(m)	2060	<b>2601</b>	2479	2506
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>19.6</b>	18.7	19.2
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	<b>13.2</b>	13.1	13.1



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0932503  
**Lab Number** : 02637640  
**Unique Number** : 5786802  
**Test Package** : MOB 1  
**Received** : 27 May 2024  
**Tested** : 27 May 2024  
**Diagnosed** : 27 May 2024 - Wes Davis

**KINGSTON TRANSIT**  
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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.