



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

Machine Id  
**OR199**  
Component  
**Propane Engine**  
Fluid  
**PETRO CANADA DURON SHP 10W30 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0100855</b>	GFL0085824	GFL0072270
Sample Date		Client Info		<b>27 Jan 2024</b>	17 Oct 2023	13 Feb 2023
Machine Age	hrs	Client Info		<b>6645</b>	6281	5454
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	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	ABNORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<b>29</b>	36	16
Chromium	ppm	ASTM D5185(m)	>25	<b>5</b>	6	2
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>6</b>	8	4
Lead	ppm	ASTM D5185(m)	>25	<b>2</b>	3	<1
Copper	ppm	ASTM D5185(m)	>35	<b>3</b>	3	2
Tin	ppm	ASTM D5185(m)	>8	<b>&lt;1</b>	1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

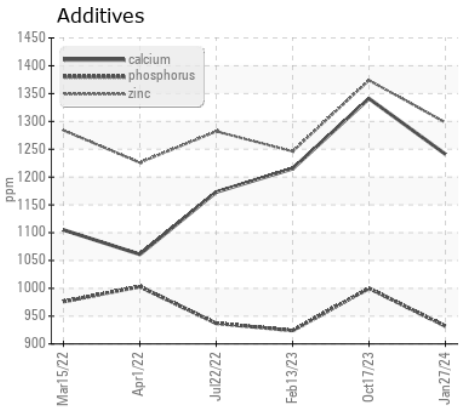
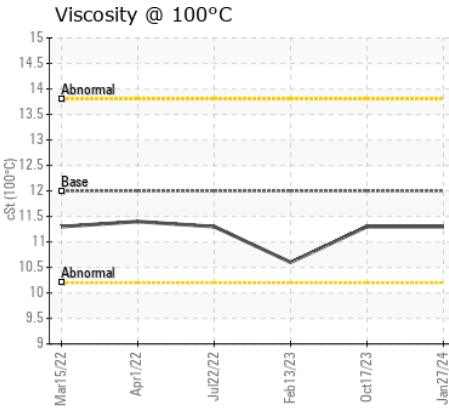
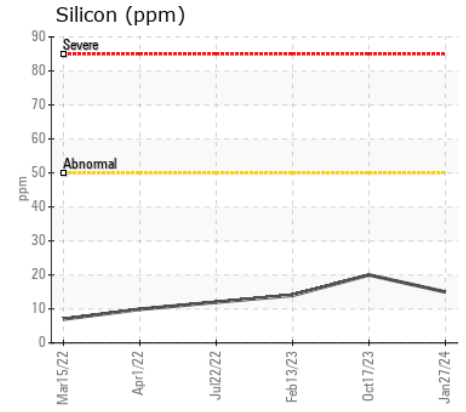
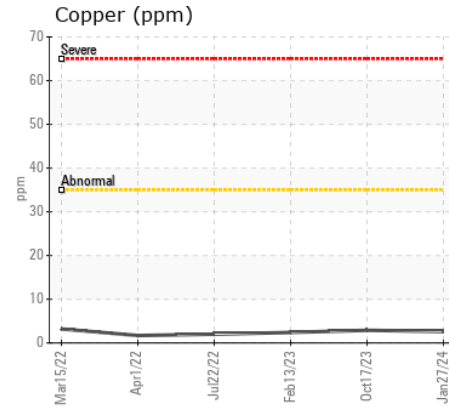
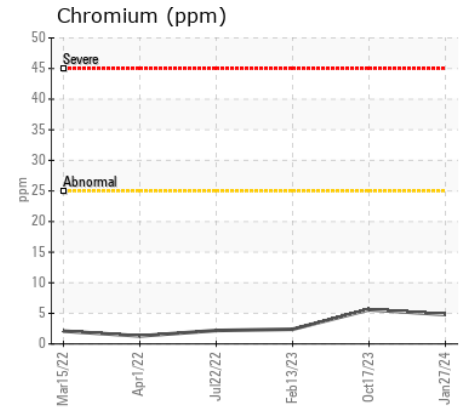
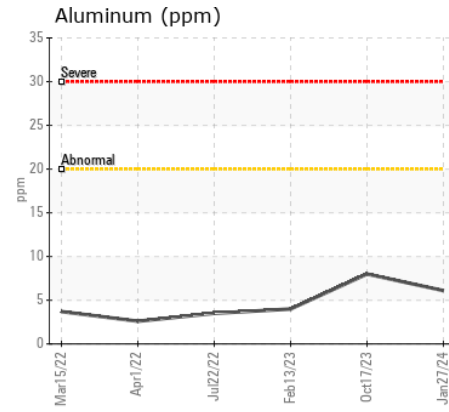
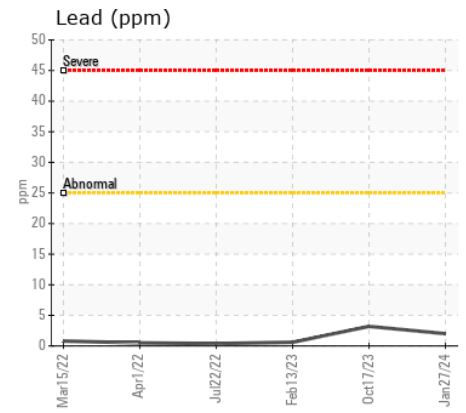
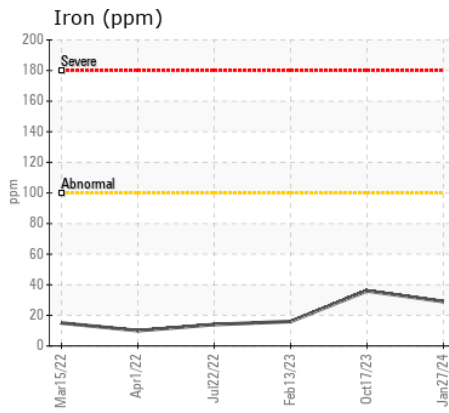
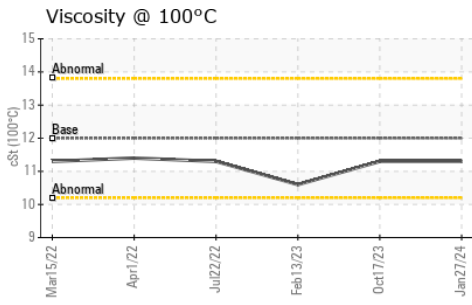
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	<b>15</b>	20	14
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	2	1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>---</b>	---	0.0
Soot %	%	ASTM D7844*		<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>12.6</b>	15.0	11.0
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>24.1</b>	28.3	21.9
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	NEG	▲ .2%

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)		<b>8</b>	11	7
Boron	ppm	ASTM D5185(m)	2	<b>1</b>	2	6
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)	50	<b>64</b>	64	63
Manganese	ppm	ASTM D5185(m)	0	<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	950	<b>1032</b>	1057	988
Calcium	ppm	ASTM D5185(m)	1050	<b>1241</b>	1341	1215
Phosphorus	ppm	ASTM D5185(m)	995	<b>932</b>	1000	924
Zinc	ppm	ASTM D5185(m)	1180	<b>1298</b>	1374	1246
Sulfur	ppm	ASTM D5185(m)	2600	<b>2649</b>	2447	2549
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>18.7</b>	21.8	16.9
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	<b>11.3</b>	11.3	10.6



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0100855  
**Lab Number** : 02619874  
**Unique Number** : 5736984  
**Test Package** : MOB 1  
**Received** : 05 Mar 2024  
**Tested** : 05 Mar 2024  
**Diagnosed** : 05 Mar 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.