



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



Area  
**(C0810283) {UNASSIGNED}**  
Machine Id  
**834016**  
Component  
**Natural Gas Engine**  
Fluid  
**PETRO CANADA DURON SHP 15W40 (8 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0109870</b>	GFL0107208	GFL0101235
Sample Date		Client Info		<b>12 Jan 2024</b>	18 Dec 2023	24 Nov 2023
Machine Age	hrs	Client Info		<b>1098</b>	933	797
Oil Age	hrs	Client Info		<b>507</b>	342	206
Filter Age	hrs	Client Info		<b>507</b>	342	206
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>28</b>	22	18
Chromium	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>2	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>9	<b>2</b>	2	<1
Lead	ppm	ASTM D5185m	>30	<b>3</b>	1	<1
Copper	ppm	ASTM D5185m	>35	<b>5</b>	4	3
Tin	ppm	ASTM D5185m	>4	<b>1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

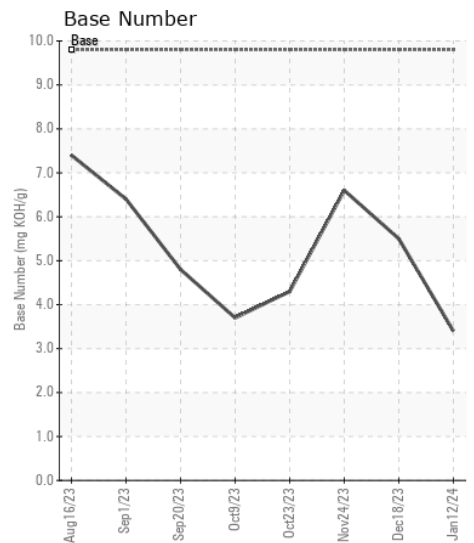
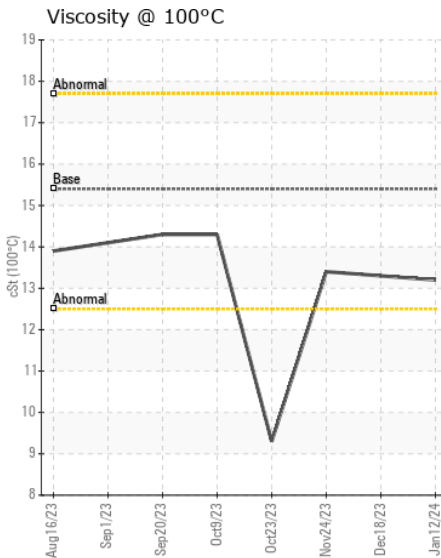
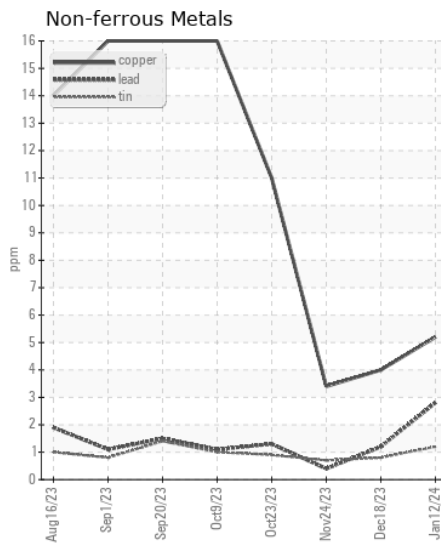
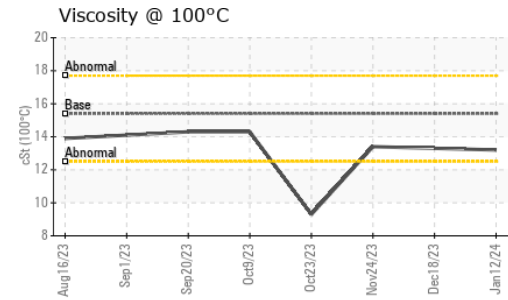
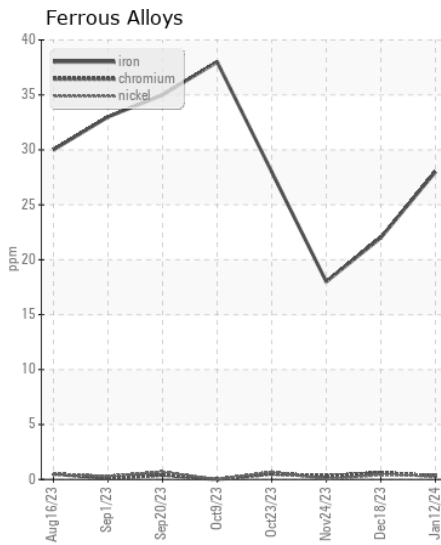
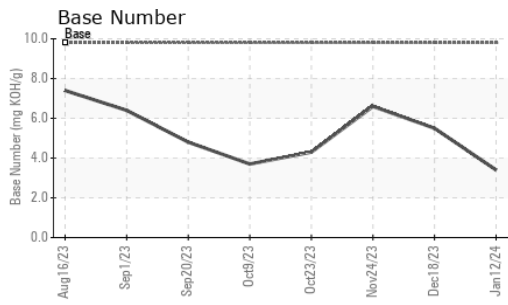
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>+100	<b>9</b>	8	7
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	1	0
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844		<b>0</b>	0	0
Nitration	Abs/cm	*ASTM D7624	>20	<b>9.9</b>	9.3	7.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>20.3</b>	18.1	17.5
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>4</b>	7	5
Boron	ppm	ASTM D5185m	0	<b>0</b>	<1	3
Barium	ppm	ASTM D5185m	0	<b>3</b>	<1	0
Molybdenum	ppm	ASTM D5185m	60	<b>66</b>	61	57
Manganese	ppm	ASTM D5185m	0	<b>2</b>	2	2
Magnesium	ppm	ASTM D5185m	1010	<b>956</b>	920	883
Calcium	ppm	ASTM D5185m	1070	<b>1139</b>	1092	1135
Phosphorus	ppm	ASTM D5185m	1150	<b>882</b>	956	967
Zinc	ppm	ASTM D5185m	1270	<b>1174</b>	1166	1163
Sulfur	ppm	ASTM D5185m	2060	<b>3017</b>	2811	2700
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>15.4</b>	14.1	13.7
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	<b>3.4</b>	5.5	6.6
Visc @ 100°C	cSt	ASTM D445	15.4	<b>13.2</b>	13.3	13.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GFL0109870 **Received** : 18 Jan 2024  
**Lab Number** : 06064069 **Diagnosed** : 19 Jan 2024  
**Unique Number** : 10835451 **Diagnostician** : Wes Davis  
**Test Package** : FLEET

**GFL Environmental - 010 - Stockbridge**  
 1280 Rum Creek Parkway  
 Stockbridge, GA  
 US 30281  
 Contact: JOSHUA TINKER  
 joshuatinker@gflenv.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.  
 \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.  
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)