



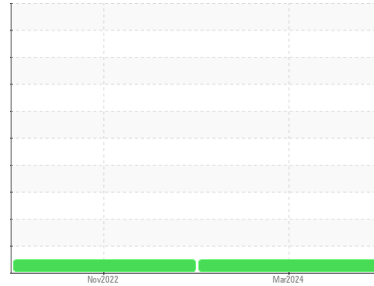
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**OR340**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 15W40 (8 LTR)**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

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

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GFL0092268</b>	GFL0064887	---
Sample Date	Client Info		<b>18 Mar 2024</b>	10 Nov 2022	---
Machine Age	hrs	Client Info	<b>6366</b>	6312	---
Oil Age	hrs	Client Info	<b>54</b>	6312	---
Oil Changed	Client Info		<b>Changed</b>	Changed	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<b>&lt;1.0</b>	<1.0	---
Water	WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol	WC Method		<b>NEG</b>	NEG	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >100	<b>6</b>	8	---
Chromium	ppm	ASTM D5185(m) >20	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m) >2	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185(m) >2	<b>0</b>	<1	---
Silver	ppm	ASTM D5185(m) >2	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m) >25	<b>0</b>	2	---
Lead	ppm	ASTM D5185(m) >40	<b>0</b>	0	---
Copper	ppm	ASTM D5185(m) >330	<b>1</b>	1	---
Tin	ppm	ASTM D5185(m) >15	<b>0</b>	0	---
Antimony	ppm	ASTM D5185(m)	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 0	<b>&lt;1</b>	3	---
Barium	ppm	ASTM D5185(m) 0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m) 60	<b>59</b>	59	---
Manganese	ppm	ASTM D5185(m) 0	<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m) 1010	<b>958</b>	951	---
Calcium	ppm	ASTM D5185(m) 1070	<b>1053</b>	1129	---
Phosphorus	ppm	ASTM D5185(m) 1150	<b>980</b>	1079	---
Zinc	ppm	ASTM D5185(m) 1270	<b>1162</b>	1191	---
Sulfur	ppm	ASTM D5185(m) 2060	<b>2532</b>	2682	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---

## CONTAMINANTS

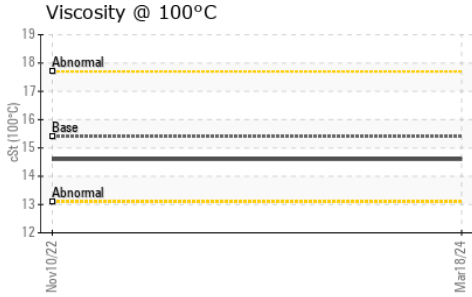
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	<b>3</b>	8	---
Sodium	ppm	ASTM D5185(m)	<b>1</b>	2	---
Potassium	ppm	ASTM D5185(m) >20	<b>0</b>	<1	---

## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >3	<b>0</b>	0	---
Nitration	Abs/cm	ASTM D7624* >20	<b>5.2</b>	5.3	---
Sulfation	Abs./1mm	ASTM D7415* >30	<b>17.0</b>	18.0	---



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### FLUID DEGRADATION

Method	Limit/Base	Current	History1	History2
Oxidation	Abs./1mm ASTM D7414*	>25	12.5	12.4

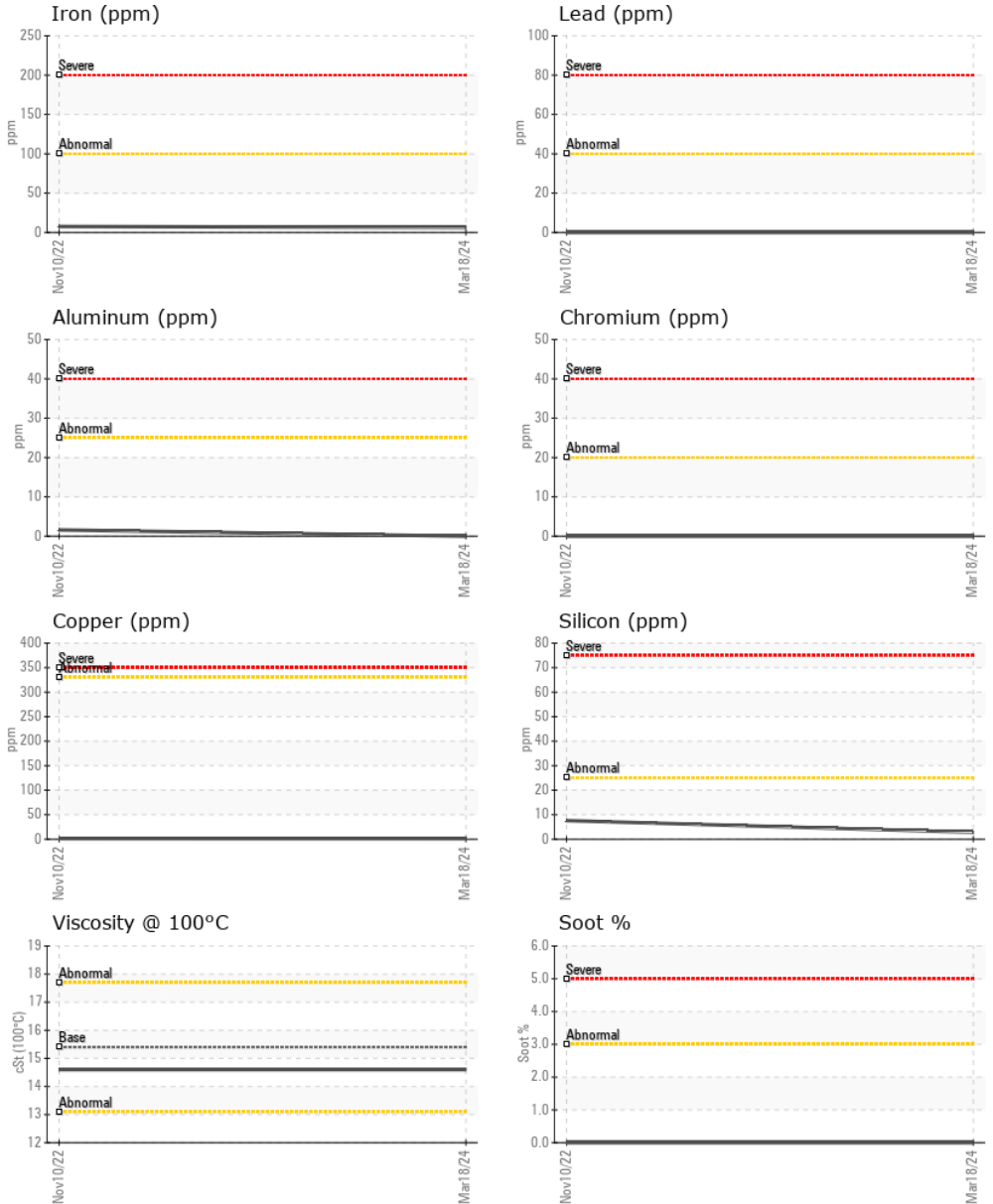
### VISUAL

Method	Limit/Base	Current	History1	History2
Emulsified Water	scalar Visual*	>0.2	NEG	NEG
Free Water	scalar Visual*		NEG	NEG

### FLUID PROPERTIES

Method	Limit/Base	Current	History1	History2
Visc @ 100°C	cSt ASTM D7279(m)	15.4	14.6	14.6

### GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0092268  
**Lab Number** : 02623601  
**Unique Number** : 5748720  
**Test Package** : MOB 1  
**Received** : 21 Mar 2024  
**Tested** : 21 Mar 2024  
**Diagnosed** : 21 Mar 2024 - Wes Davis

**GFL Environmental - 720 - Lafleche - Landfill**  
 17125 Lafleche Road,  
 Moose Creek, ON  
 CA K0C 1W0  
 Contact: Charles Bergeron  
 cbergeron@gflenv.com  
 T: (613)538-4853  
 F:

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.