



# OIL ANALYSIS REPORT

Sample Rating Trend

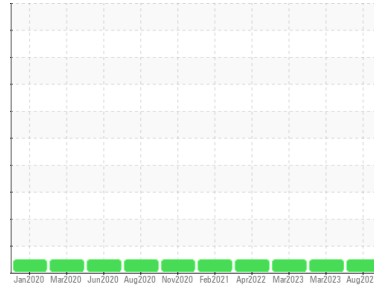
**NORMAL**



Machine Id  
**7245**

Component  
**Diesel Engine**

Fluid  
**PETRO CANADA DURON SHP 10W30 (--- GAL)**



## DIAGNOSIS

### Recommendation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

### Wear

Les taux d'usure de tous les composants sont normaux.

### Contamination

Il n'y a aucun indice de contamination dans l'huile.

### Fluid Condition

L'état de l'huile est acceptable pour la durée de service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GFL0088807</b>	GFL0070803	GFL0073405
Sample Date	Client Info		<b>29 Aug 2023</b>	15 Mar 2023	01 Mar 2023
Machine Age	kms	Client Info	<b>257025</b>	0	12386
Oil Age	kms	Client Info	<b>600</b>	600	600
Oil Changed	Client Info		<b>Changed</b>	Changed	N/A
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>3.0	<b>&lt;1.0</b>	0.5	<1.0
Glycol	WC Method		<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>65	<b>16</b>	11	21
Chromium	ppm	ASTM D5185(m)	>5	<b>1</b>	<1	1
Nickel	ppm	ASTM D5185(m)	>3	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>35	<b>3</b>	6	6
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>180	<b>3</b>	2	4
Tin	ppm	ASTM D5185(m)	>8	<b>&lt;1</b>	0	<1
Antimony	ppm	ASTM D5185(m)	>35	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	2	<b>2</b>	4	6
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	50	<b>60</b>	57	62
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	950	<b>953</b>	898	826
Calcium	ppm	ASTM D5185(m)	1050	<b>1104</b>	1163	1379
Phosphorus	ppm	ASTM D5185(m)	995	<b>1035</b>	1038	1034
Zinc	ppm	ASTM D5185(m)	1180	<b>1194</b>	1201	1221
Sulfur	ppm	ASTM D5185(m)	2600	<b>2298</b>	2626	2367
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

## CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>15	<b>4</b>	3	6
Sodium	ppm	ASTM D5185(m)		<b>7</b>	2	6
Potassium	ppm	ASTM D5185(m)	>20	<b>4</b>	6	4

## INFRA-RED

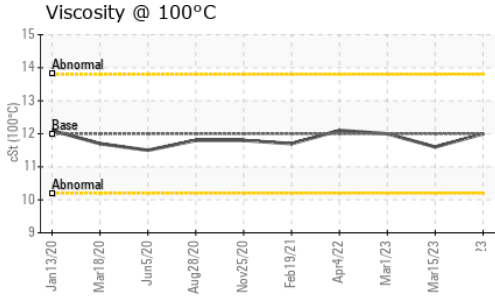
	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*	>3	<b>0.6</b>	0.1	0.6
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.1</b>	8.1	9.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>21.4</b>	21.7	23.2

## FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>15.1</b>	15.3	16.1



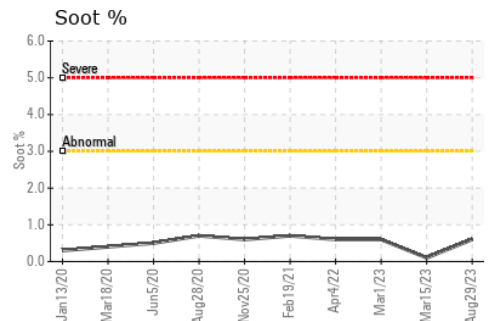
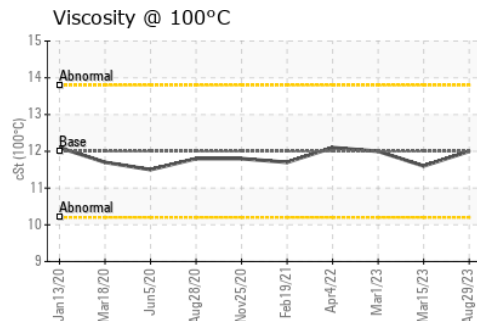
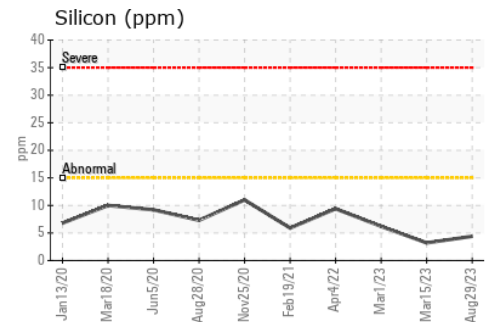
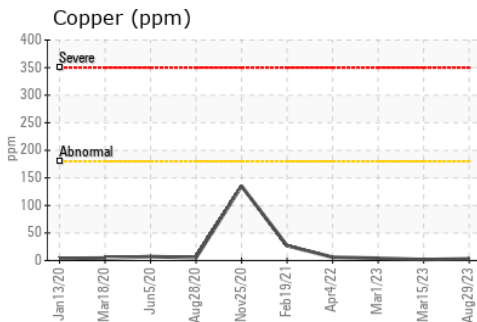
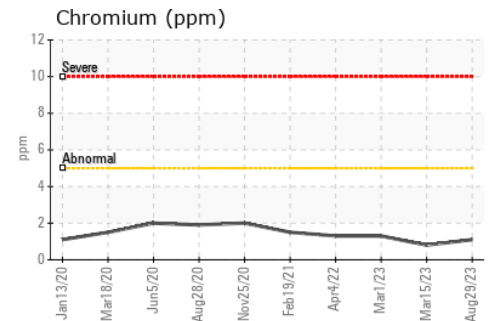
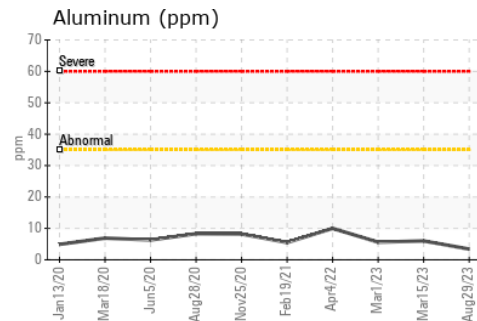
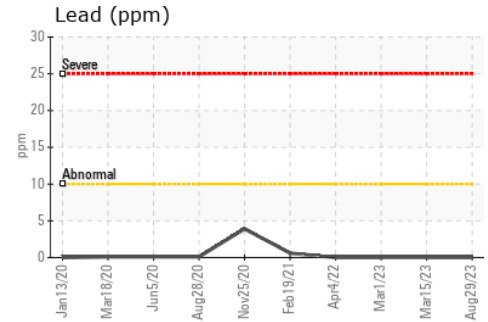
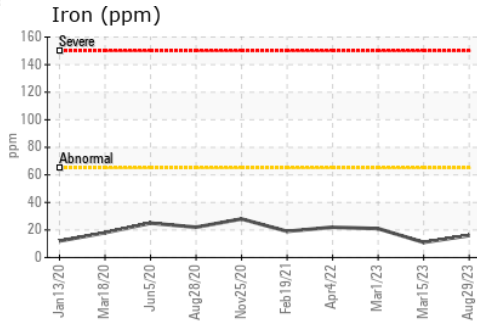
# OIL ANALYSIS REPORT



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)	12.00	12.0	11.6

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 780 - GMA - ICI - Solid Waste  
**Sample No.** : GFL0088807 **Received** : 05 Sep 2023  
**Lab Number** : 02580245 **Diagnosed** : 05 Sep 2023  
**Unique Number** : 5633305 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1

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.

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