



# OIL ANALYSIS REPORT

Sample Rating Trend

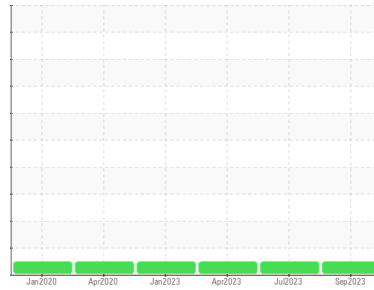
**NORMAL**



Machine Id  
**7238**

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>GFL0088887</b>	GFL0088836	GFL0073379
Sample Date	Client Info		<b>25 Sep 2023</b>	31 Jul 2023	10 Apr 2023
Machine Age	hrs	Client Info	<b>14427</b>	293653	13621
Oil Age	hrs	Client Info	<b>600</b>	0	600
Oil Changed		Client Info	<b>N/A</b>	Changed	Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >120	<b>4</b>	6	6
Chromium	ppm	ASTM D5185(m) >20	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185(m) >5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m) >2	<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m) >2	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185(m) >20	<b>1</b>	2	2
Lead	ppm	ASTM D5185(m) >40	<b>&lt;1</b>	1	<1
Copper	ppm	ASTM D5185(m) >330	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185(m) >15	<b>0</b>	<1	<1
Antimony	ppm	ASTM D5185(m)	<b>0</b>	0	<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>	3	3
Barium	ppm	ASTM D5185(m) 0	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185(m) 50	<b>59</b>	59	58
Manganese	ppm	ASTM D5185(m) 0	<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m) 950	<b>941</b>	970	943
Calcium	ppm	ASTM D5185(m) 1050	<b>1110</b>	1070	1086
Phosphorus	ppm	ASTM D5185(m) 995	<b>973</b>	1037	1070
Zinc	ppm	ASTM D5185(m) 1180	<b>1165</b>	1195	1176
Sulfur	ppm	ASTM D5185(m) 2600	<b>2443</b>	2328	2562
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	<b>3</b>	4	2
Sodium	ppm	ASTM D5185(m)	<b>6</b>	4	3
Potassium	ppm	ASTM D5185(m) >20	<b>26</b>	1	<1
Glycol	%	ASTM D7922*	<b>0.0</b>	NEG	NEG

## INFRA-RED

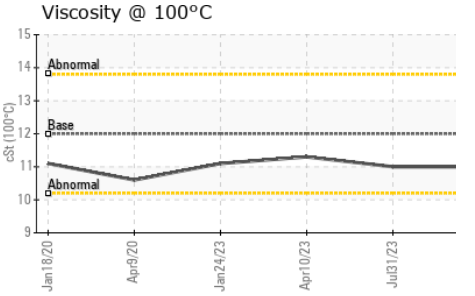
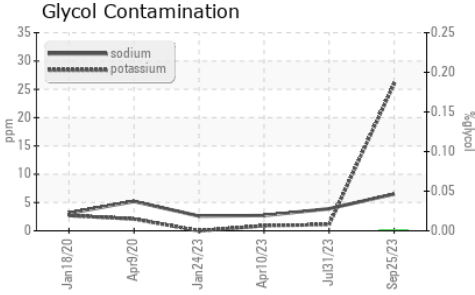
	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >4	<b>0</b>	0.1	0
Nitration	Abs/cm	ASTM D7624* >20	<b>7.2</b>	8.7	8.0
Sulfation	Abs/.1mm	ASTM D7415* >30	<b>19.3</b>	21.3	18.8

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414* >25	<b>14.9</b>	17.3	15.3



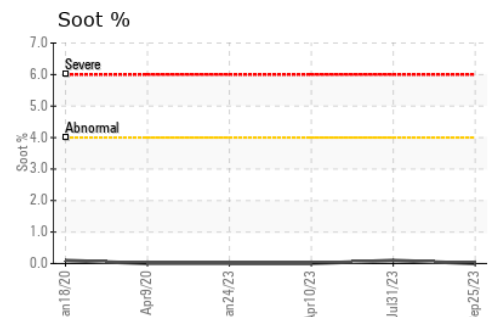
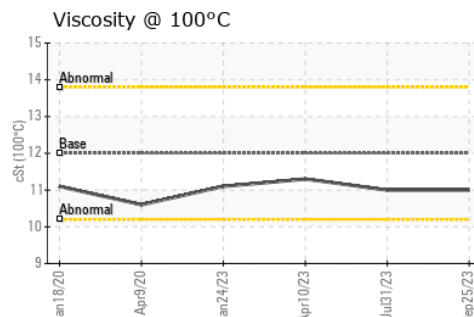
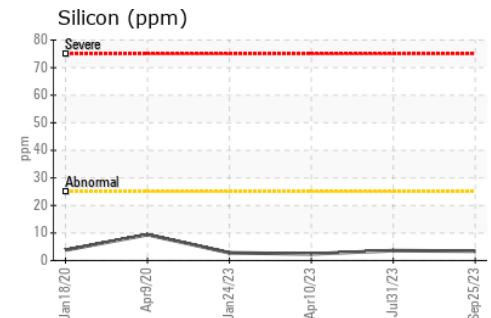
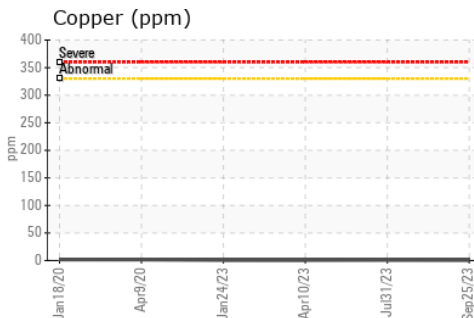
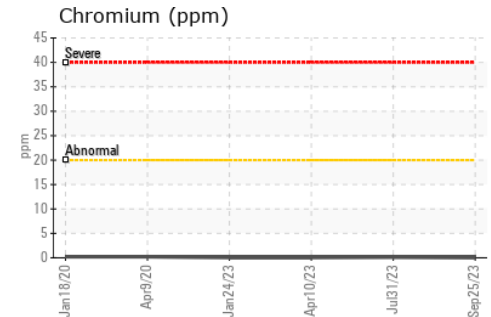
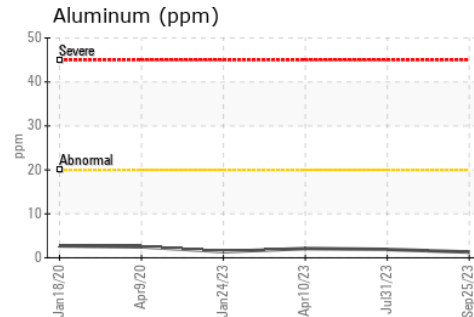
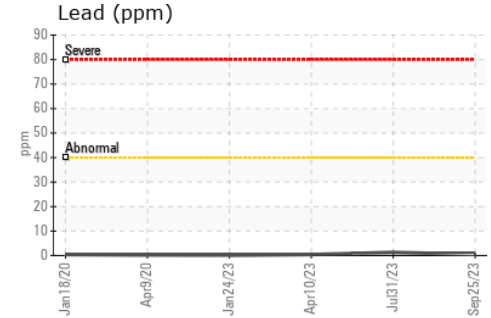
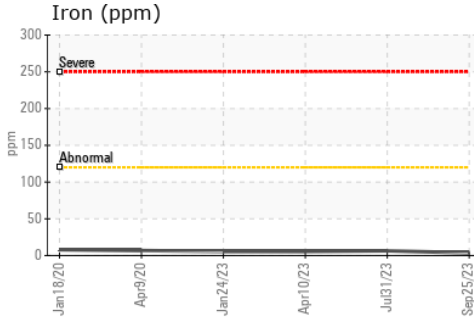
# OIL ANALYSIS REPORT



PARAMETER	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

PARAMETER	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	11.0	11.3

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 780 - GMA - ICI - Solid Waste  
**Sample No.** : GFL0088887 **Received** : 12 Oct 2023 4365 boul. St-Elzear Ouest, Laval, QC  
**Lab Number** : 02588566 **Diagnosed** : 12 Oct 2023 CA H7P 4J3  
**Unique Number** : 5657632 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: Glycol )

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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