



# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**2212**

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

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. 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>CU0020543</b>	---	---
Sample Date	Client Info		<b>18 Sep 2023</b>	---	---
Machine Age	kms	Client Info	<b>155446</b>	---	---
Oil Age	kms	Client Info	<b>79133</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >90	<b>45</b>	---	---
Chromium	ppm	ASTM D5185(m) >20	<b>2</b>	---	---
Nickel	ppm	ASTM D5185(m) >2	<b>1</b>	---	---
Titanium	ppm	ASTM D5185(m) >2	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m) >2	<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185(m) >20	<b>17</b>	---	---
Lead	ppm	ASTM D5185(m) >40	<b>5</b>	---	---
Copper	ppm	ASTM D5185(m) >330	<b>6</b>	---	---
Tin	ppm	ASTM D5185(m) >15	<b>2</b>	---	---
Antimony	ppm	ASTM D5185(m)	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	---	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 2	<b>2</b>	---	---
Barium	ppm	ASTM D5185(m) 0	<b>1</b>	---	---
Molybdenum	ppm	ASTM D5185(m) 50	<b>60</b>	---	---
Manganese	ppm	ASTM D5185(m) 0	<b>1</b>	---	---
Magnesium	ppm	ASTM D5185(m) 950	<b>1012</b>	---	---
Calcium	ppm	ASTM D5185(m) 1050	<b>1145</b>	---	---
Phosphorus	ppm	ASTM D5185(m) 995	<b>992</b>	---	---
Zinc	ppm	ASTM D5185(m) 1180	<b>1230</b>	---	---
Sulfur	ppm	ASTM D5185(m) 2600	<b>2231</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	<b>15</b>	---	---
Sodium	ppm	ASTM D5185(m)	<b>4</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>56</b>	---	---

## INFRA-RED

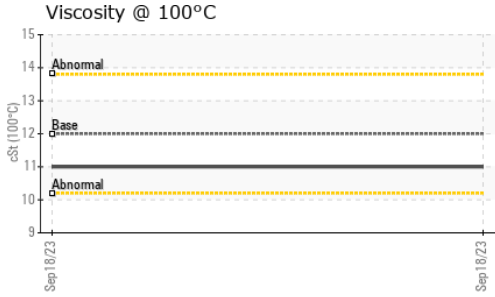
	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >6	<b>0.5</b>	---	---
Nitration	Abs/cm	ASTM D7624* >20	<b>10.9</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415* >30	<b>23.2</b>	---	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414* >25	<b>19.0</b>	---	---



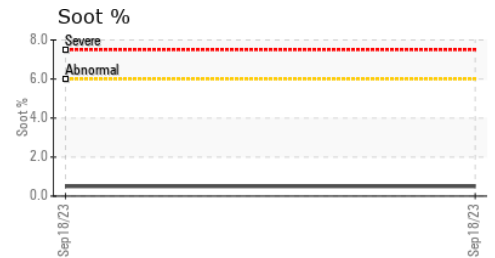
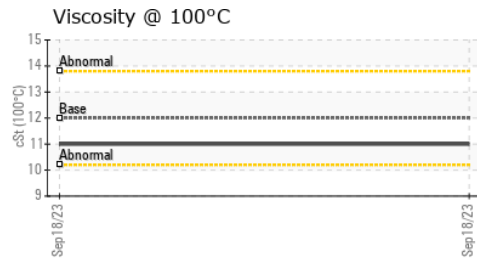
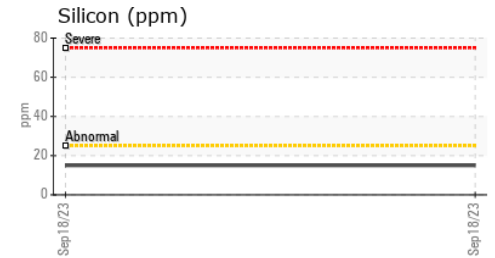
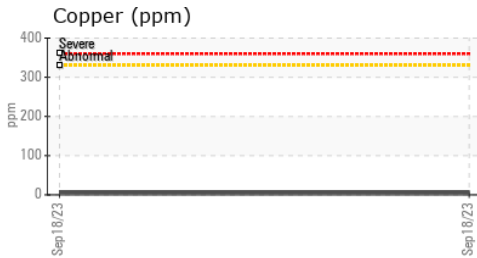
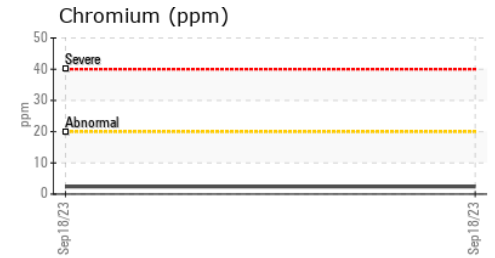
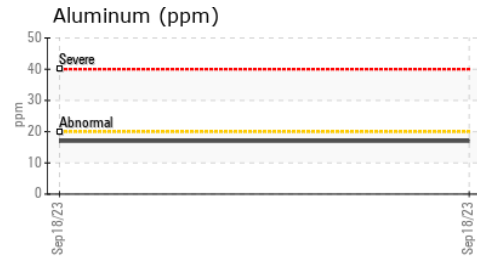
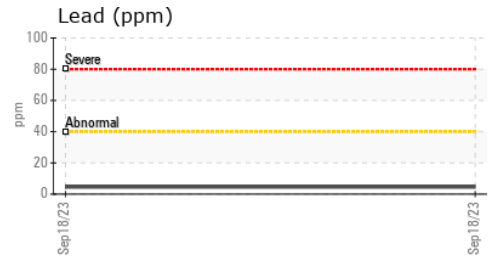
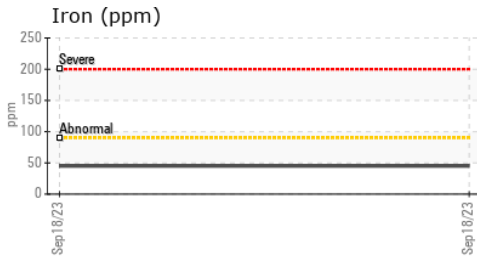
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---
Free Water	scalar	Visual*		NEG	---

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

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : CU0020543 **Received** : 02 Oct 2023  
**Lab Number** : 02586038 **Diagnosed** : 02 Oct 2023  
**Unique Number** : 5655104 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: Visual )

**TRANSPORT REAL GAUVIN**  
 5 RUE GAUVIN R.R.1  
 ST-ADALBERT, QC  
 CA G0R 2M0  
 Contact: Maintenance

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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