



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**155**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 10W30 (--- GAL)**

## RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0909619</b>	WC0885206	WC0866115
Sample Date		Client Info		<b>18 Apr 2024</b>	08 Dec 2023	20 Oct 2023
Machine Age	kms	Client Info		<b>983605</b>	958100	957738
Oil Age	kms	Client Info		<b>25505</b>	362	22778
Filter Age	kms	Client Info		<b>25505</b>	362	22778
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

## WEAR

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

Iron	ppm	ASTM D5185(m)	>100	<b>9</b>	7	26
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	2
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	<b>4</b>	3	9
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	<1	2
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

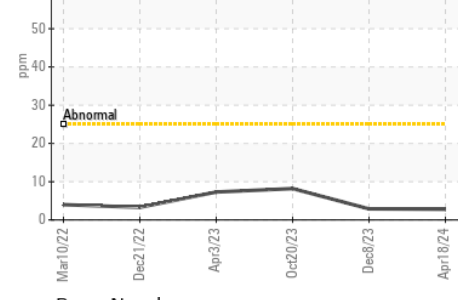
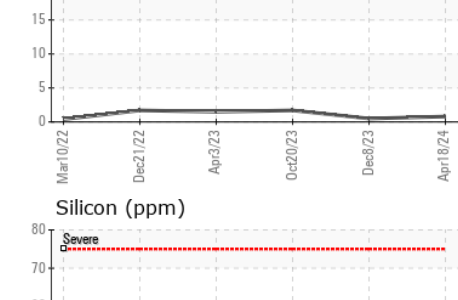
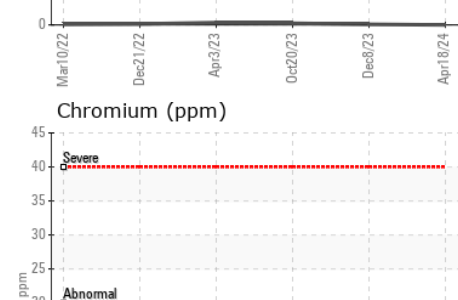
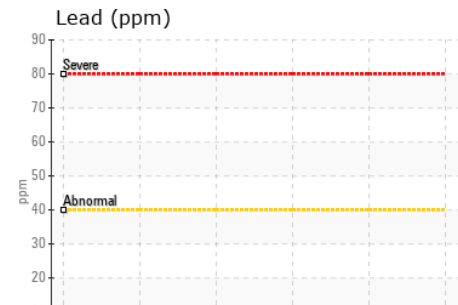
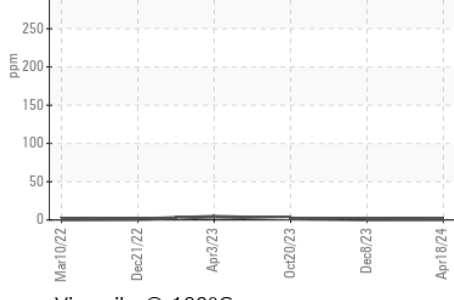
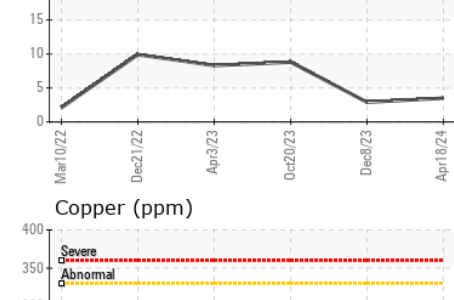
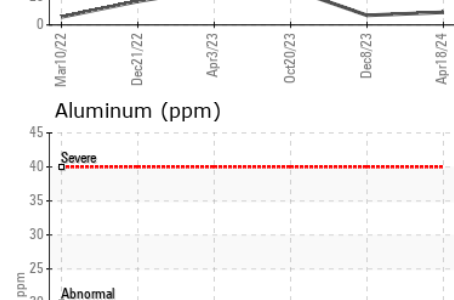
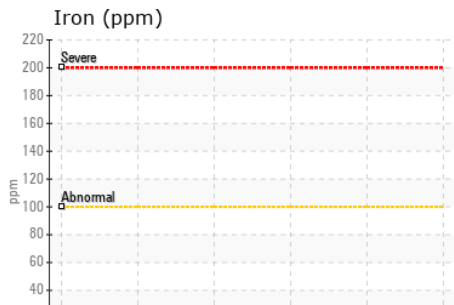
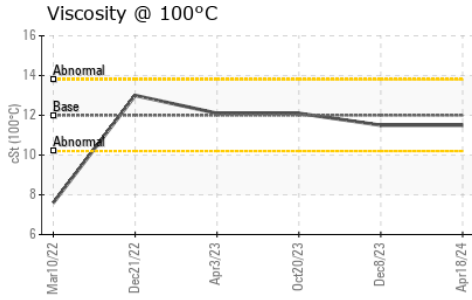
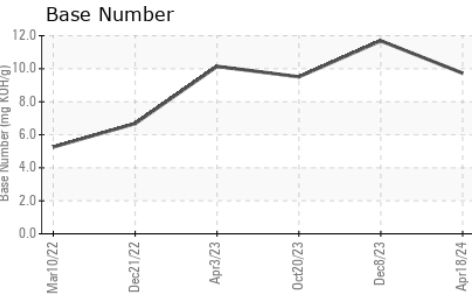
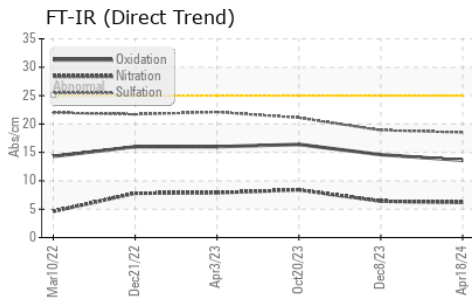
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	<b>3</b>	3	8
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	2
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	ASTM D7844*	>3	<b>0.4</b>	0.3	1
Nitration	Abs/cm	ASTM D7624*	>20	<b>6.2</b>	6.4	8.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>18.5</b>	18.9	21.1
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. L'état de l'huile permet d'en prolonger l'utilisation.

Sodium	ppm	ASTM D5185(m)		<b>1</b>	2	5
Boron	ppm	ASTM D5185(m)	2	<b>3</b>	14	30
Barium	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)	50	<b>58</b>	57	58
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185(m)	950	<b>955</b>	983	999
Calcium	ppm	ASTM D5185(m)	1050	<b>1012</b>	977	1009
Phosphorus	ppm	ASTM D5185(m)	995	<b>987</b>	1004	1008
Zinc	ppm	ASTM D5185(m)	1180	<b>1157</b>	1155	1220
Sulfur	ppm	ASTM D5185(m)	2600	<b>2587</b>	2807	2765
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>13.6</b>	14.6	16.4
Base Number (BN)	mg KOH/g	ASTM D2896*		<b>9.73</b>	11.69	9.51
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	<b>11.5</b>	11.5	12.1



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0909619 **Received** : 20 Jun 2024  
**Lab Number** : 02643092 **Tested** : 20 Jun 2024  
**Unique Number** : 5800631 **Diagnosed** : 20 Jun 2024 - Wes Davis  
**Test Package** : MOB 2

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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.