



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id

**249**

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>WC0846900</b>	WC0805605	WC0776075
Sample Date		Client Info		<b>29 Jan 2024</b>	21 Jun 2023	30 Jan 2023
Machine Age	kms	Client Info		<b>1118217</b>	1091199	1069029
Oil Age	kms	Client Info		<b>27018</b>	22864	694
Filter Age	kms	Client Info		<b>27018</b>	22864	694
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

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

Iron	ppm	ASTM D5185(m)	>200	<b>71</b>	43	26
Chromium	ppm	ASTM D5185(m)	>20	<b>3</b>	2	1
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>30	<b>25</b>	16	9
Lead	ppm	ASTM D5185(m)	>30	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185(m)	>30	<b>6</b>	4	2
Tin	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

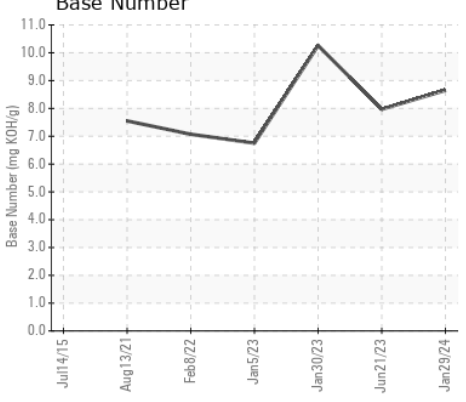
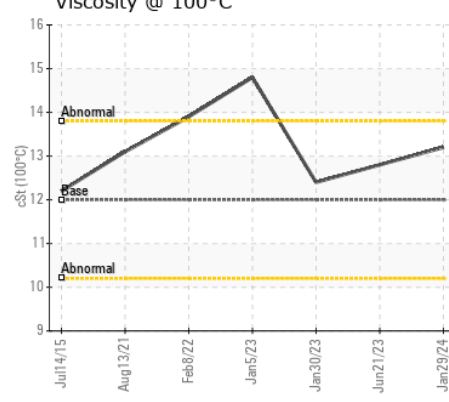
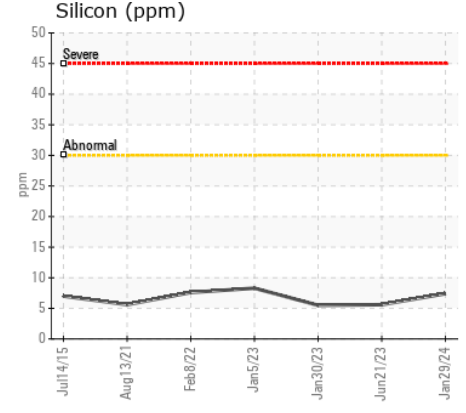
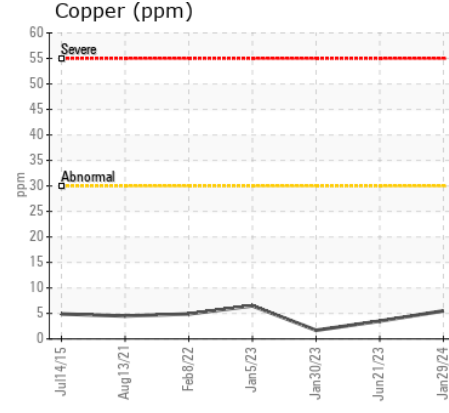
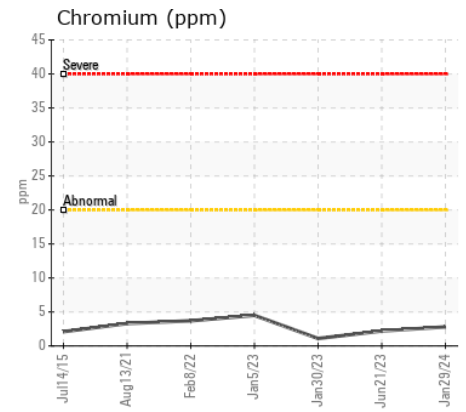
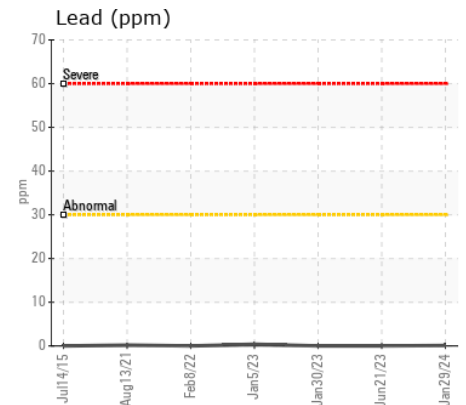
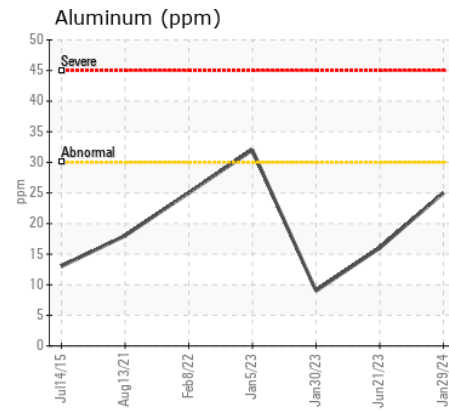
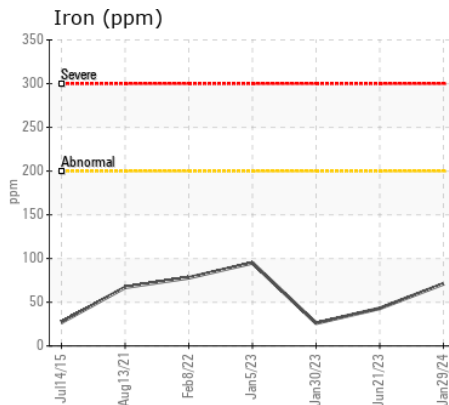
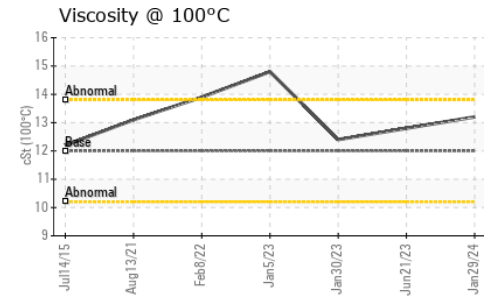
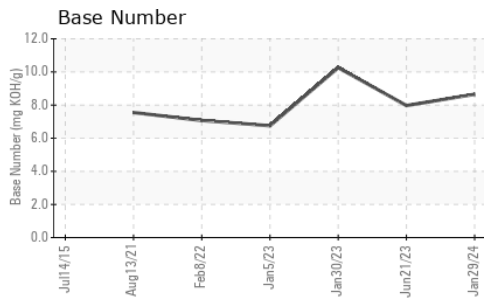
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>30	<b>7</b>	6	6
Potassium	ppm	ASTM D5185(m)	>20	<b>5</b>	2	<1
Fuel		WC Method	>3.0	<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>0.7</b>	0.6	0.2
Nitration	Abs/cm	ASTM D7624*	>20	<b>13.8</b>	12.8	9.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>29.0</b>	25.6	24.5
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>7</b>	7	7
Boron	ppm	ASTM D5185(m)	2	<b>20</b>	24	47
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	50	<b>65</b>	65	60
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	950	<b>1162</b>	1228	1107
Calcium	ppm	ASTM D5185(m)	1050	<b>1065</b>	957	907
Phosphorus	ppm	ASTM D5185(m)	995	<b>1117</b>	1156	1112
Zinc	ppm	ASTM D5185(m)	1180	<b>1331</b>	1336	1217
Sulfur	ppm	ASTM D5185(m)	2600	<b>2860</b>	2774	2842
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>27.8</b>	24.4	19.8
Base Number (BN)	mg KOH/g	ASTM D2896*		<b>8.65</b>	7.97	10.26
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	<b>13.2</b>	12.8	12.4



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0846900  
**Lab Number** : 02616156  
**Unique Number** : 5733266  
**Test Package** : MOB 2  
**Received** : 16 Feb 2024  
**Tested** : 20 Feb 2024  
**Diagnosed** : 20 Feb 2024 - Kevin Marson

**Levis - Transport Laberge**  
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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.