



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**6023**  
Component  
**Rear Diesel Engine**  
Fluid  
**PETRO CANADA DURON HP 15W40 (19 LTR)**

## 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>PC0079646</b>	PC0074166	PC0073445
Sample Date		Client Info		<b>18 Dec 2023</b>	03 Oct 2023	14 Aug 2023
Machine Age	kms	Client Info		<b>487673</b>	0	0
Oil Age	kms	Client Info		<b>7438</b>	8671	6239
Filter Age	kms	Client Info		<b>7438</b>	8671	6239
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	MARGINAL

## WEAR

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

Iron	ppm	ASTM D5185(m)	>130	<b>34</b>	36	26
Chromium	ppm	ASTM D5185(m)	>10	<b>1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>3</b>	3	2
Lead	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>125	<b>1</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

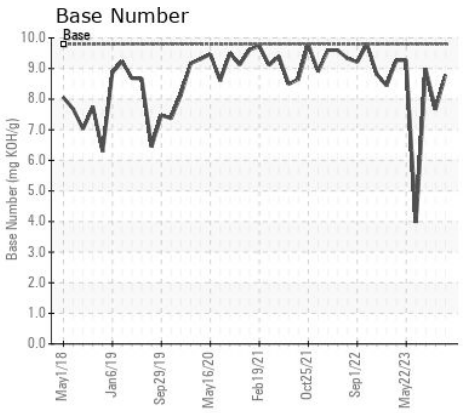
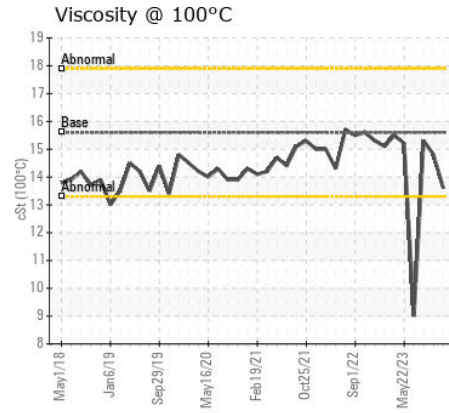
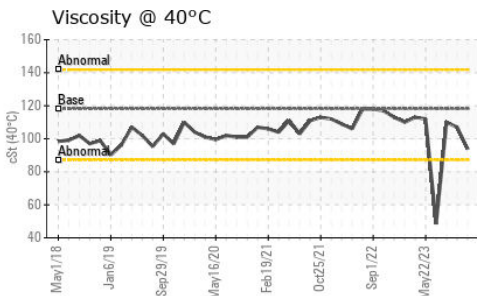
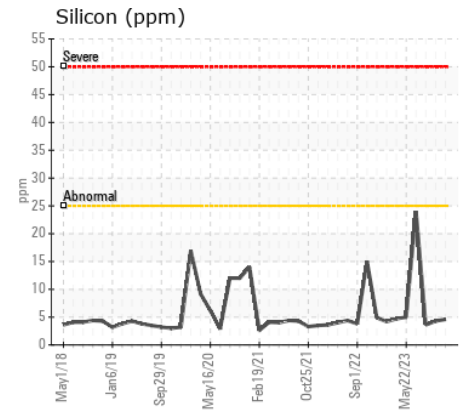
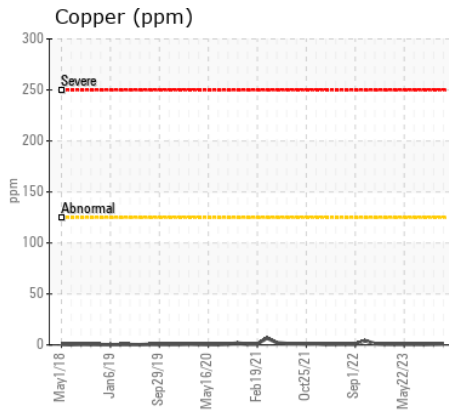
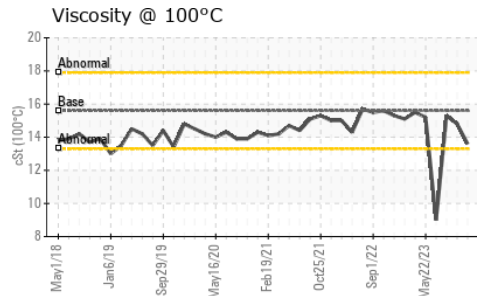
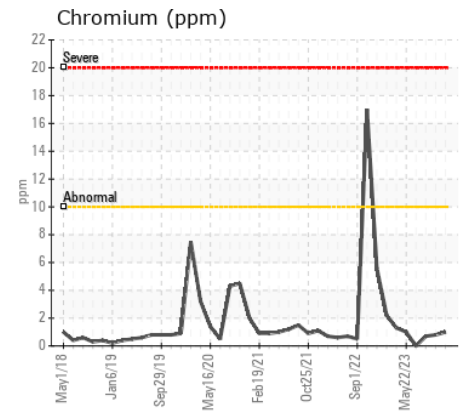
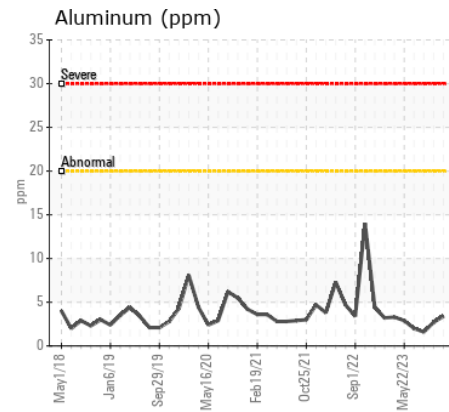
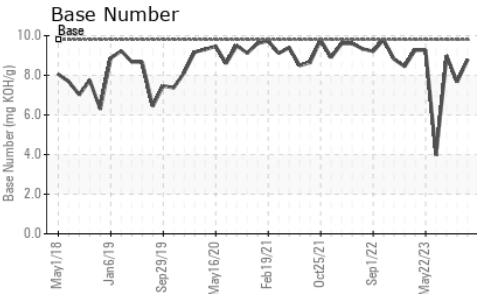
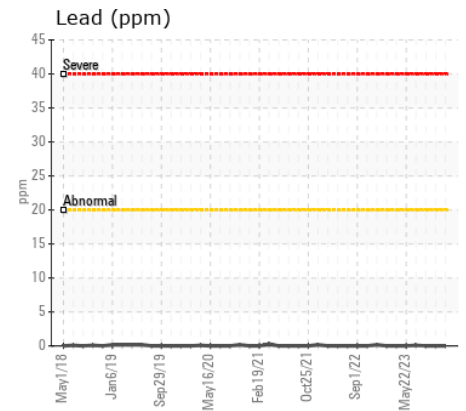
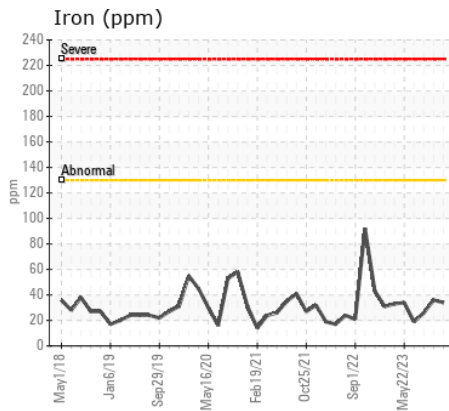
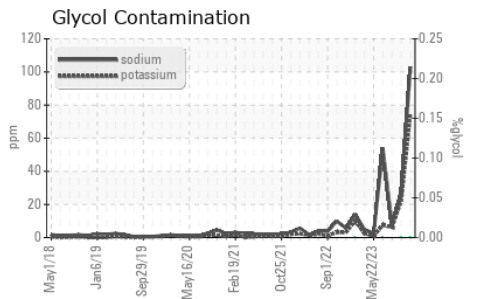
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	<b>5</b>	4	4
Potassium	ppm	ASTM D5185(m)	>20	<b>75</b>	22	6
Fuel		WC Method	>3.0	<b>&lt;1.0</b>	<1.0	▲ 1.7
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol	%	ASTM D7922*		<b>0.0</b>	0.0	NEG
Soot %	%	ASTM D7844*	>6	<b>2.8</b>	3.2	2.5
Nitration	Abs/cm	ASTM D7624*	>20	<b>11.4</b>	12.2	9.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>25.1</b>	26.2	24.8
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>103</b>	26	8
Boron	ppm	ASTM D5185(m)	0	<b>2</b>	2	1
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)	60	<b>56</b>	61	58
Manganese	ppm	ASTM D5185(m)	0	<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185(m)	1010	<b>822</b>	959	957
Calcium	ppm	ASTM D5185(m)	1070	<b>1024</b>	1026	1025
Phosphorus	ppm	ASTM D5185(m)	1150	<b>947</b>	986	1021
Zinc	ppm	ASTM D5185(m)	1270	<b>1102</b>	1173	1171
Sulfur	ppm	ASTM D5185(m)	2060	<b>2397</b>	2357	2443
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>16.9</b>	17.4	15.4
Base Number (BN)	mg KOH/g	ASTM D2896*	9.8	<b>8.79</b>	7.66	8.99
Visc @ 40°C	cSt	ASTM D7279(m)	118.2	<b>93.7</b>	107	110
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	<b>13.6</b>	14.8	15.3
Viscosity Index (VI)	Scale	ASTM D2270*	139	<b>146</b>	143	146



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0079646 **Received** : 28 Dec 2023  
**Lab Number** : 02605517 **Tested** : 02 Jan 2024  
**Unique Number** : 5698602 **Diagnosed** : 02 Jan 2024 - Wes Davis  
**Test Package** : MOB 2 ( Additional Tests: Glycol, KV40, VI )

**TRANSDEV ST-JEAN**  
 720 TROTTER  
 ST-JEAN-SUR-RICHELIEU, QC  
 CA J3B 8T2  
 Contact: Eric Breton  
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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.

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F: