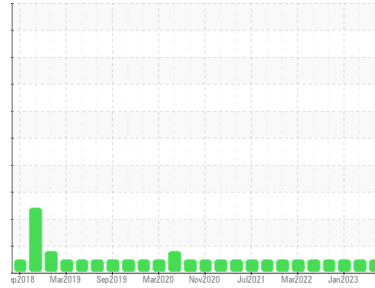


Machine Id  
**3565**

Component  
**Rear Diesel Engine**

Fluid  
**PETRO CANADA DURON HP 15W40 (20 LTR)**



**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**

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.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>PC0073441</b>	PC0073541	PC0068378
Sample Date	Client Info			<b>14 Aug 2023</b>	07 May 2023	17 Jan 2023
Machine Age	kms	Client Info		<b>0</b>	0	0
Oil Age	kms	Client Info		<b>8375</b>	15232	13072
Oil Changed	Client Info			<b>Changed</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
Glycol	WC Method			<b>NEG</b>	NEG	NEG

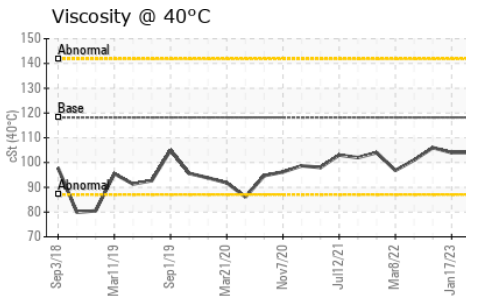
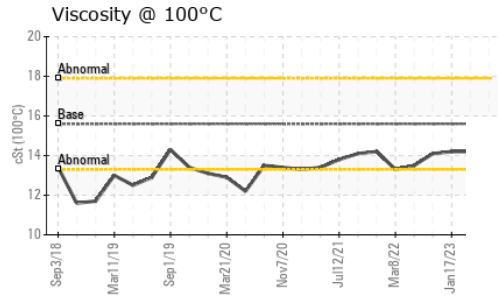
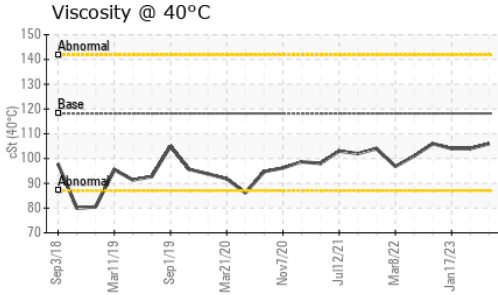
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>75	<b>27</b>	31	32
Chromium	ppm	ASTM D5185(m)	>5	<b>1</b>	1	1
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	1	1
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>15	<b>2</b>	2	2
Lead	ppm	ASTM D5185(m)	>25	<b>2</b>	4	5
Copper	ppm	ASTM D5185(m)	>100	<b>&lt;1</b>	1	1
Tin	ppm	ASTM D5185(m)	>4	<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)	0	<b>1</b>	1	1
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	60	<b>59</b>	61	60
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	1010	<b>986</b>	1004	1005
Calcium	ppm	ASTM D5185(m)	1070	<b>1055</b>	1134	1114
Phosphorus	ppm	ASTM D5185(m)	1150	<b>1047</b>	1123	1103
Zinc	ppm	ASTM D5185(m)	1270	<b>1204</b>	1248	1250
Sulfur	ppm	ASTM D5185(m)	2060	<b>2544</b>	2637	2617
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>4</b>	3	3
Sodium	ppm	ASTM D5185(m)		<b>5</b>	5	5
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	<1

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	<b>0.3</b>	0.3	0.2
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.3</b>	8.4	8.5
Sulfation	Abs./1mm	ASTM D7415*	>30	<b>20.9</b>	20.4	21.5

# OIL ANALYSIS REPORT

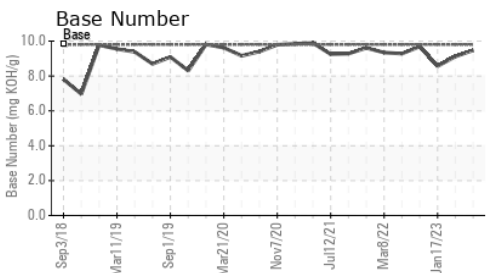
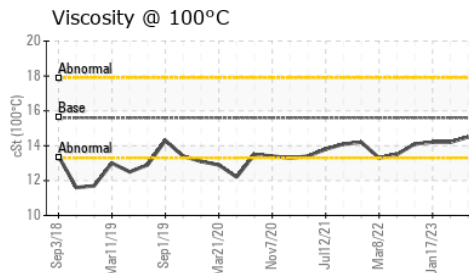
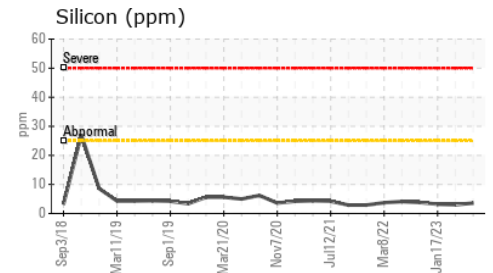
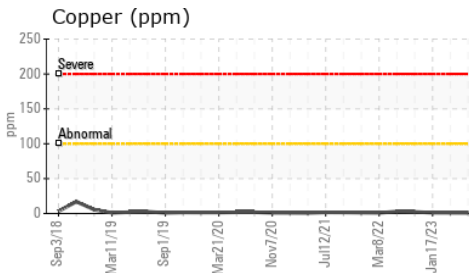
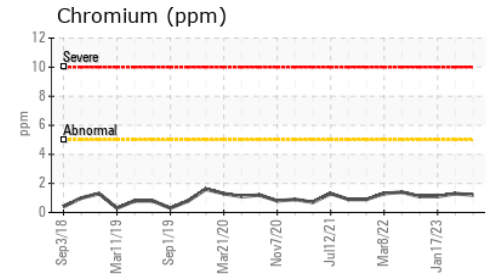
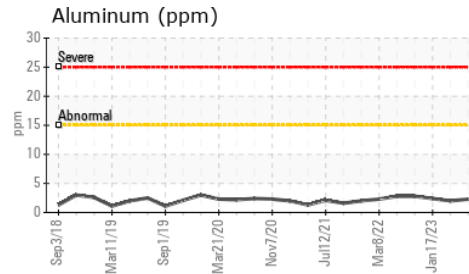
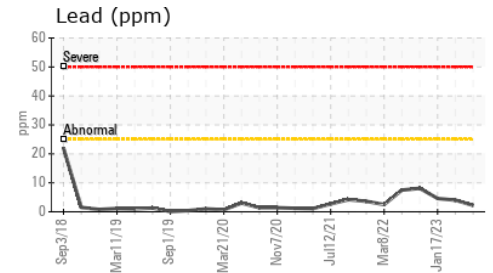
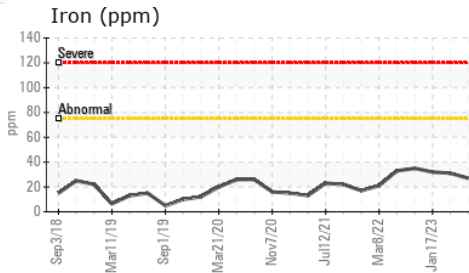


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>15.1</b>	16.3	16.9
Base Number (BN)	mg KOH/g	ASTM D2896*	9.8	<b>9.47</b>	9.12	8.56

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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	118.2	<b>106</b>	104	104
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	<b>14.5</b>	14.2	14.2
Viscosity Index (VI)	Scale	ASTM D2270*	139	<b>140</b>	139	139

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0073441 **Received** : 29 Aug 2023  
**Lab Number** : **02579000** **Diagnosed** : 30 Aug 2023  
**Unique Number** : 5632060 **Diagnostician** : Wes Davis  
**Test Package** : MOB 2 ( Additional Tests: KV40, VI )

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

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: