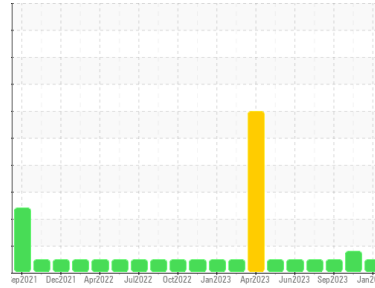


Machine Id  
**3108**

Component  
**Diesel Engine**

Fluid  
**PETRO CANADA DURON HP 15W40 (--- 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**  
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>PC0079582</b>	PC0079826	PC0074302
Sample Date	Client Info			<b>18 Jan 2024</b>	14 Nov 2023	22 Sep 2023
Machine Age	kms	Client Info		<b>225916</b>	214465	0
Oil Age	kms	Client Info		<b>11451</b>	41365	10569
Oil Changed	Client Info			<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>5		<b>&lt;1.0</b>	1	<1.0
Water	WC Method	>0.2		<b>NEG</b>	NEG	NEG
Glycol	WC Method			<b>NEG</b>	NEG	NEG

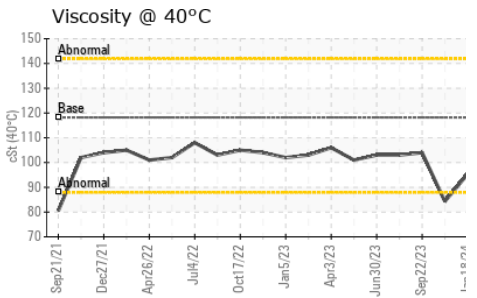
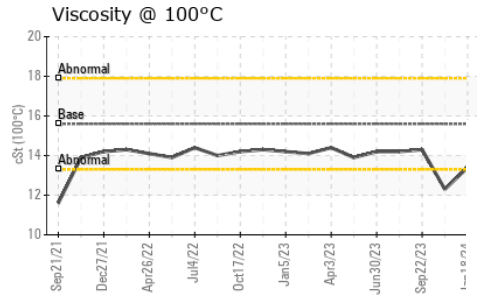
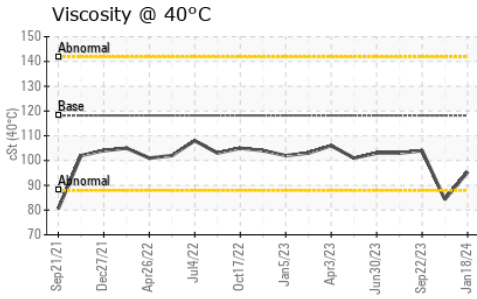
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	<b>8</b>	9	4
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	<b>2</b>	2	<1
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0	0
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>3</b>	3	2
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)	60	<b>54</b>	51	59
Manganese	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)	1010	<b>903</b>	849	983
Calcium	ppm	ASTM D5185(m)	1070	<b>1087</b>	1045	1072
Phosphorus	ppm	ASTM D5185(m)	1150	<b>988</b>	957	1004
Zinc	ppm	ASTM D5185(m)	1270	<b>1156</b>	1154	1218
Sulfur	ppm	ASTM D5185(m)	2060	<b>2628</b>	2387	2564
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>2</b>	4	3
Sodium	ppm	ASTM D5185(m)		<b>3</b>	4	4
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	0

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	<b>0</b>	0.1	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>6.5</b>	6.4	6.2
Sulfation	Abs./1mm	ASTM D7415*	>30	<b>18.4</b>	18.7	18.4

# OIL ANALYSIS REPORT

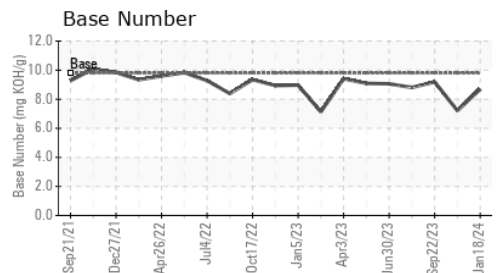
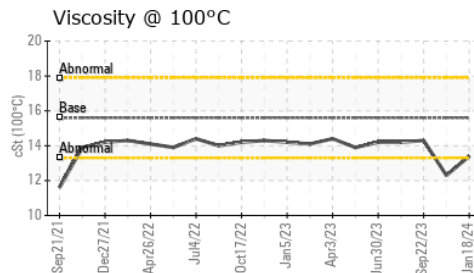
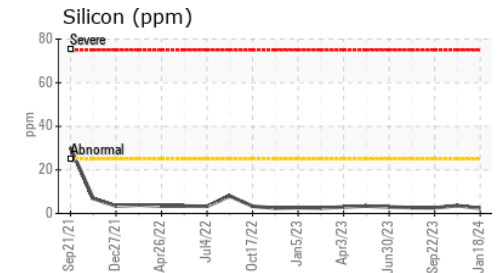
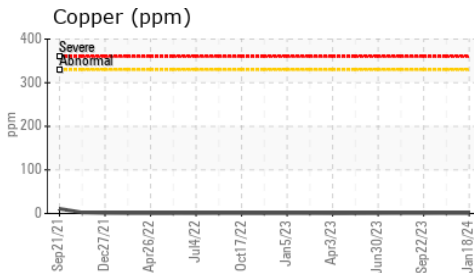
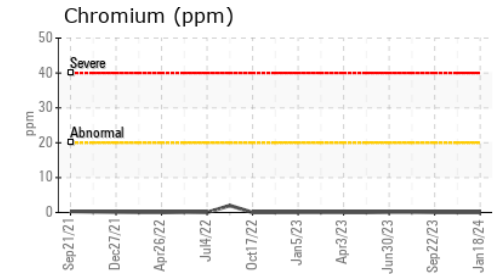
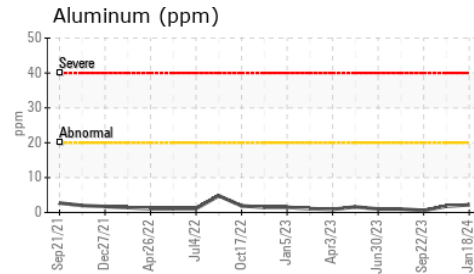
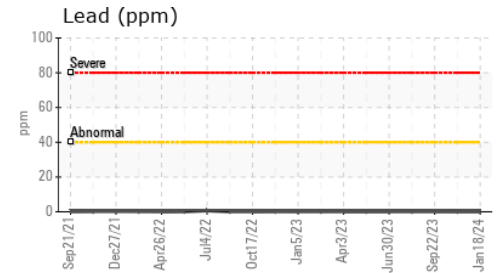
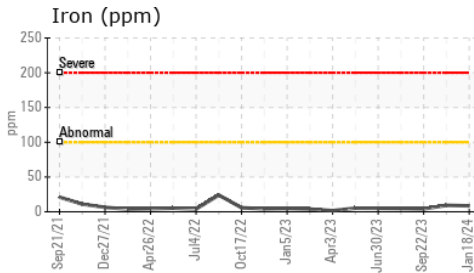


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>13.9</b>	13.6	13.9
Base Number (BN)	mg KOH/g	ASTM D2896*	9.8	<b>8.69</b>	7.21	9.19

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>95.3</b>	▲ 84.3	104
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	<b>13.4</b>	▲ 12.3	14.3
Viscosity Index (VI)	Scale	ASTM D2270*	139	<b>140</b>	141	140

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0079582  
**Lab Number** : 02610201  
**Unique Number** : 5711287  
**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.