



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**901161**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 10W30 (--- GAL)**

**RECOMMENDATION**

Confirmez la source du lubrifiant utilisé pour l'appoint/remplissage.  
 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		PC0082198	PC0075510	PC0072934
Sample Date		Client Info		20 Mar 2024	16 Aug 2023	12 Apr 2023
Machine Age	kms	Client Info		19193	359439	346285
Oil Age	kms	Client Info		0	0	0
Filter Age	kms	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL

**WEAR**

Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant.

Iron	ppm	ASTM D5185(m)	>100	37	73	53
Chromium	ppm	ASTM D5185(m)	>20	2	▲ 4	▲ 4
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	<1	<1
Silver	ppm	ASTM D5185(m)	>3	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	9	17	12
Lead	ppm	ASTM D5185(m)	>40	0	1	<1
Copper	ppm	ASTM D5185(m)	>330	2	2	2
Tin	ppm	ASTM D5185(m)	>15	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

**CONTAMINATION**

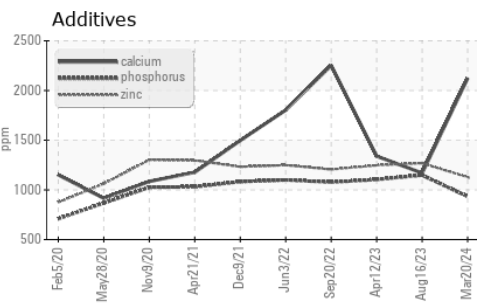
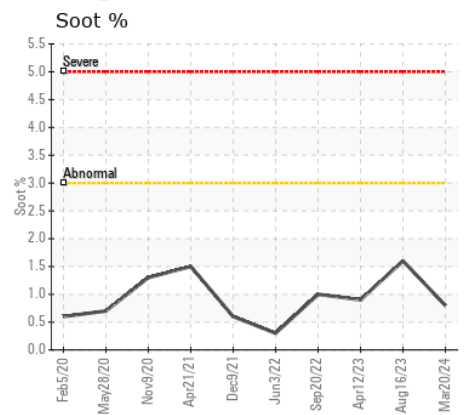
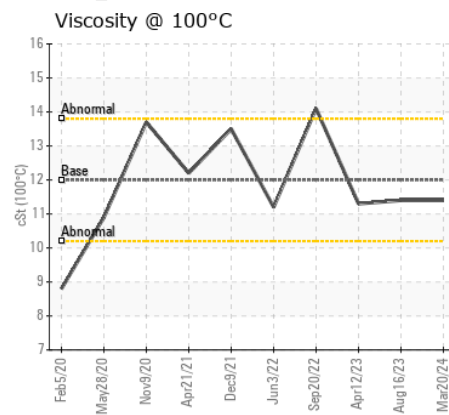
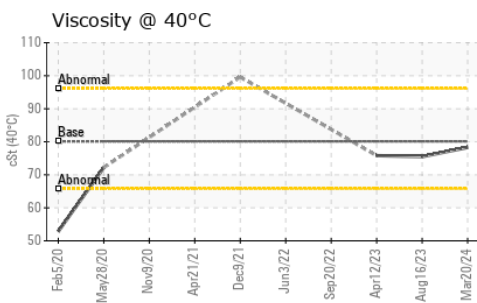
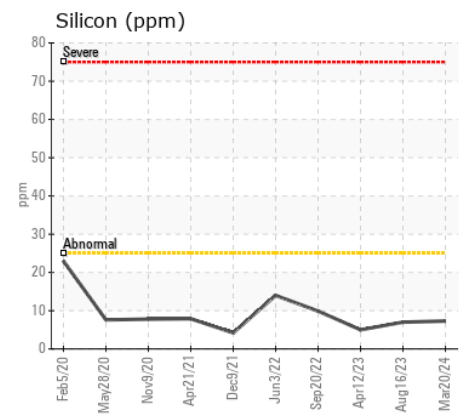
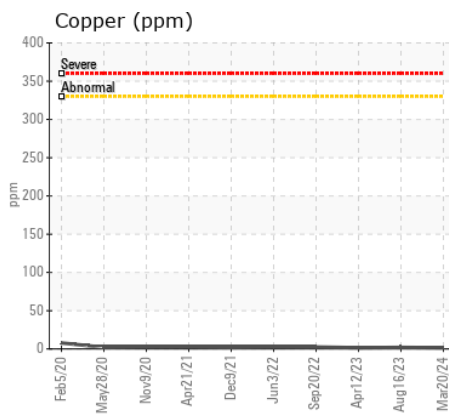
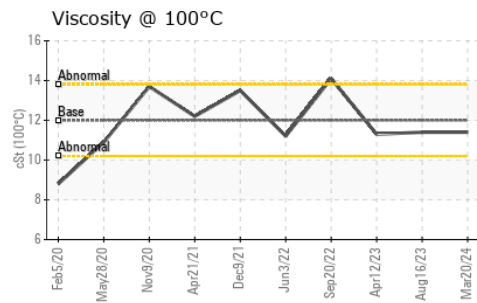
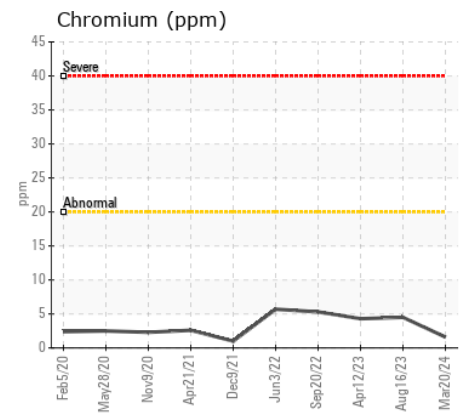
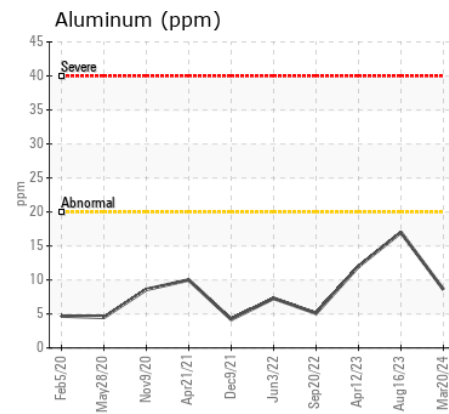
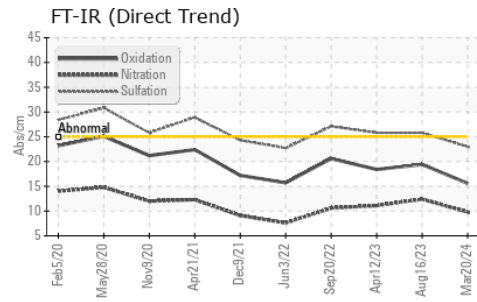
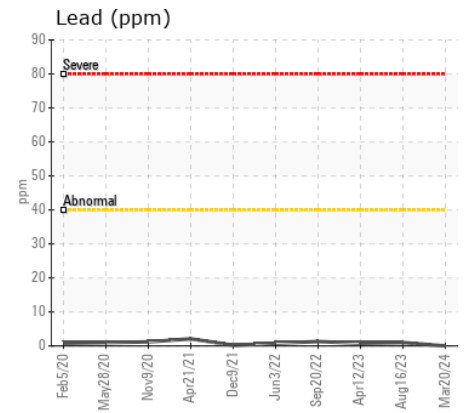
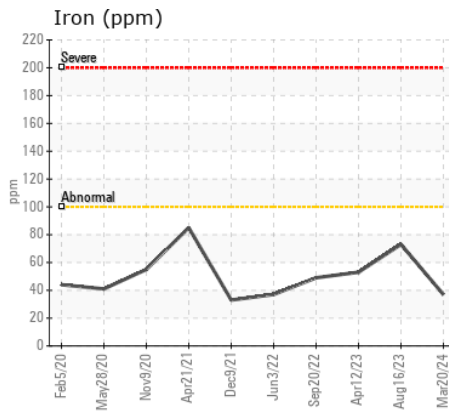
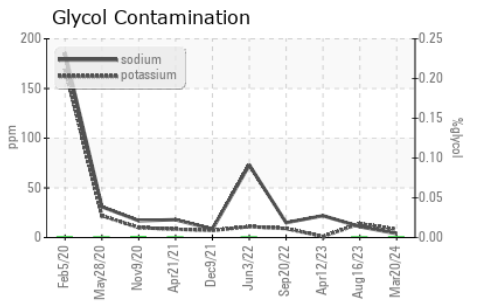
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	7	7	5
Potassium	ppm	ASTM D5185(m)	>20	8	14	1
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol	%	ASTM D7922*		0.0	0.0	NEG
Soot %	%	ASTM D7844*	>3	0.8	1.6	0.9
Nitration	Abs/cm	ASTM D7624*	>20	9.8	12.4	11.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.0	25.8	25.8
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

**FLUID CONDITION**

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		4	11	22
Boron	ppm	ASTM D5185(m)	2	17	7	15
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	50	20	65	57
Manganese	ppm	ASTM D5185(m)	0	0	1	<1
Magnesium	ppm	ASTM D5185(m)	950	202	1007	865
Calcium	ppm	ASTM D5185(m)	1050	2122	1169	1339
Phosphorus	ppm	ASTM D5185(m)	995	934	1148	1104
Zinc	ppm	ASTM D5185(m)	1180	1128	1268	1247
Sulfur	ppm	ASTM D5185(m)	2600	2899	2595	2640
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.6	19.4	18.4
Visc @ 40°C	cSt	ASTM D7279(m)	80.1	78.3	75.5	75.8
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	11.4	11.4	11.3
Viscosity Index (VI)	Scale	ASTM D2270*	144	136	143	140



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0082198  
**Lab Number** : 02627206  
**Unique Number** : 5760338  
**Test Package** : MOB 1 ( Additional Tests: Glycol, KV40, VI )  
**Received** : 08 Apr 2024  
**Tested** : 09 Apr 2024  
**Diagnosed** : 09 Apr 2024 - Wes Davis  
 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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