



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
389
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON UHP 5W30 (45 GAL)

RECOMMENDATION

Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0833129	WC0678251	WC0729567
Sample Date		Client Info		19 Sep 2023	12 Apr 2023	09 Aug 2022
Machine Age	kms	Client Info		621984	595372	0
Oil Age	kms	Client Info		0	0	0
Filter Age	kms	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	SEVERE	SEVERE

WEAR

Usure de piston.

Iron	ppm	ASTM D5185(m)	>165	63	77	107
Chromium	ppm	ASTM D5185(m)	>5	3	4	3
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	<1	<1
Silver	ppm	ASTM D5185(m)	>2	<1	0	0
Aluminum	ppm	ASTM D5185(m)	>20	▲ 26	▲ 37	▲ 48
Lead	ppm	ASTM D5185(m)	>150	0	<1	1
Copper	ppm	ASTM D5185(m)	>90	5	8	31
Tin	ppm	ASTM D5185(m)	>5	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

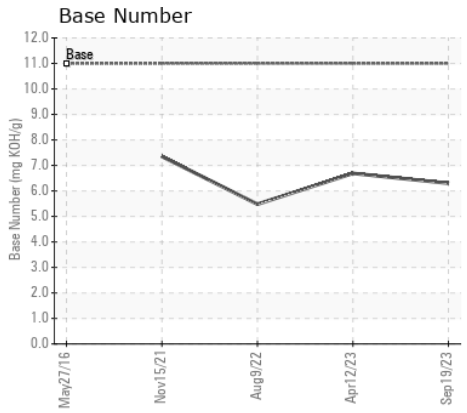
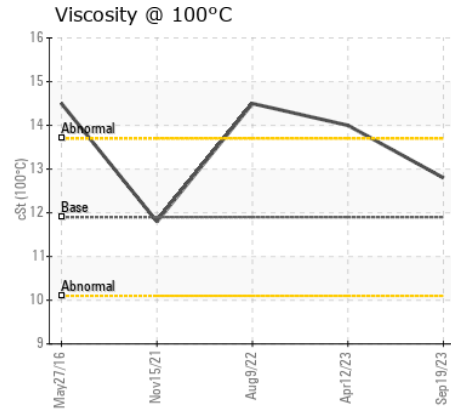
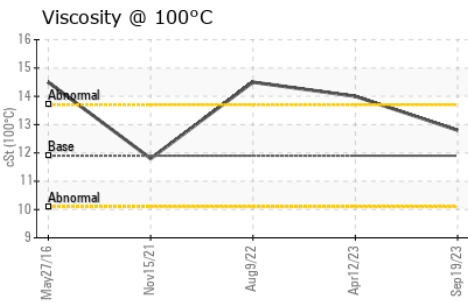
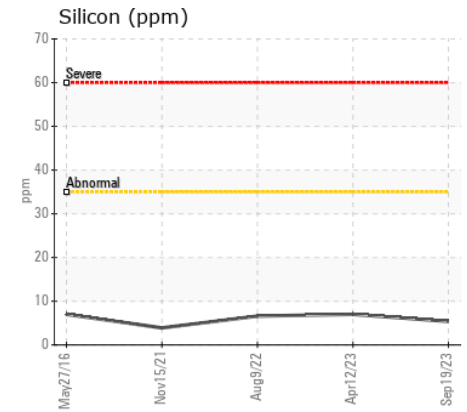
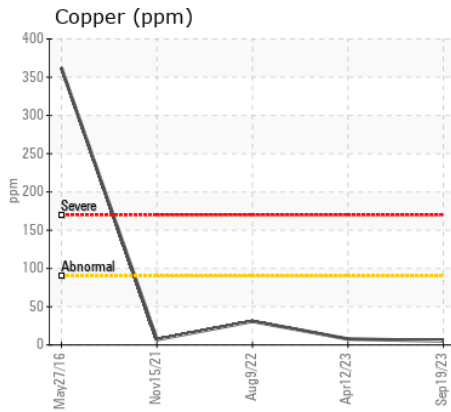
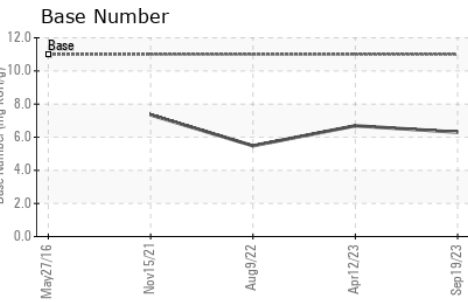
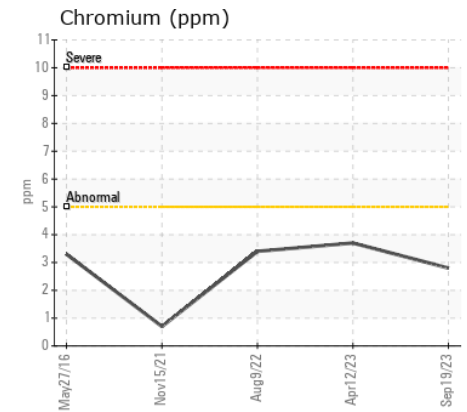
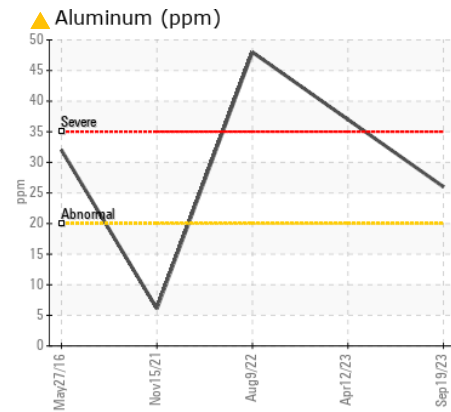
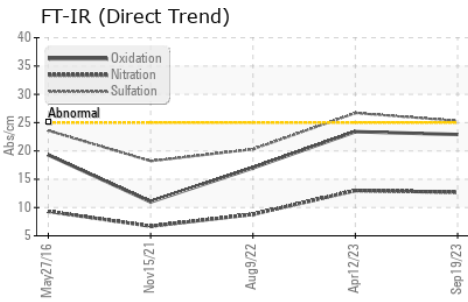
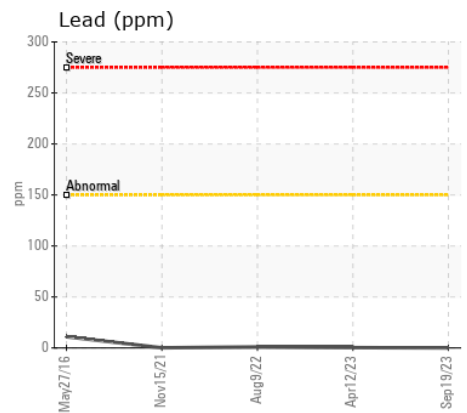
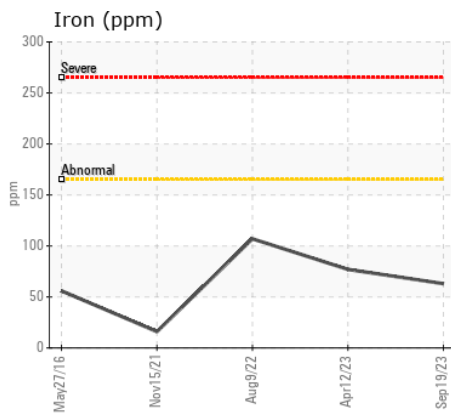
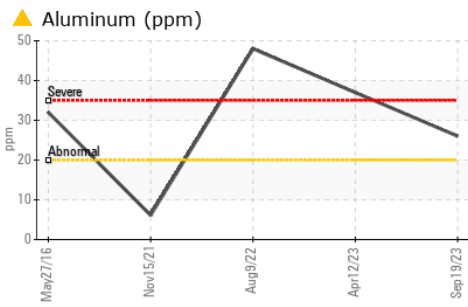
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>35	5	7	7
Potassium	ppm	ASTM D5185(m)	>20	2	4	25
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	0.0
Soot %	%	ASTM D7844*	>7.5	0.9	0.9	0.5
Nitration	Abs/cm	ASTM D7624*	>20	12.7	13.0	8.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	25.3	26.7	20.3
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. L'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Sodium	ppm	ASTM D5185(m)		6	9	136
Boron	ppm	ASTM D5185(m)	0	17	10	19
Barium	ppm	ASTM D5185(m)	0	<1	0	0
Molybdenum	ppm	ASTM D5185(m)	64	63	65	18
Manganese	ppm	ASTM D5185(m)	0	<1	1	3
Magnesium	ppm	ASTM D5185(m)	1160	1117	1042	258
Calcium	ppm	ASTM D5185(m)	820	916	1182	1802
Phosphorus	ppm	ASTM D5185(m)	1160	992	1149	891
Zinc	ppm	ASTM D5185(m)	1260	1252	1312	1102
Sulfur	ppm	ASTM D5185(m)	3000	2538	2512	2542
Oxidation	Abs/.1mm	ASTM D7414*	>25	22.9	23.4	17.0
Base Number (BN)	mg KOH/g	ASTM D2896*	11.0	6.30	6.69	5.48
Visc @ 100°C	cSt	ASTM D7279(m)	11.9	12.8	▲ 14.0	▲ 14.5



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0833129 **Received** : 09 Nov 2023
Lab Number : 02595263 **Tested** : 10 Nov 2023
Unique Number : 5672342 **Diagnosed** : 10 Nov 2023 - Bill Quesnel
Test Package : MOB 2

Lachine - Transport Laberge
 435 rue Norman
 Lachine, QC
 CA H8S 1A5
 Contact: Service Manager

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: