



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Machine Id
INTERNATIONAL 1053
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON SAE 10W30 (--- LTR)

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. Le fluide était spécifié comme PETRO CANADA DURON SAE 10W30, toutefois, une comparaison avec d'autres fluides indiquent que ce fluide est du SAE 15W40 Diesel Engine Oil. Veuillez confirmer la viscosité de l'huile et veuillez préciser la marque de votre prochain échantillon.

WEAR

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

CONTAMINATION

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

FLUID CONDITION

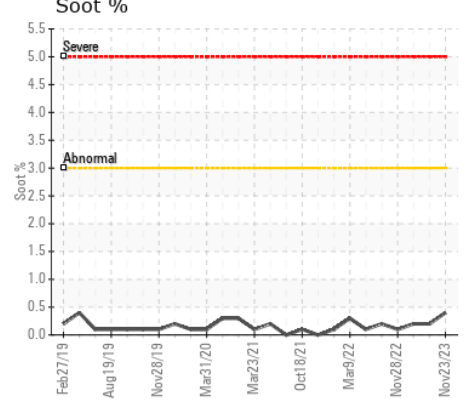
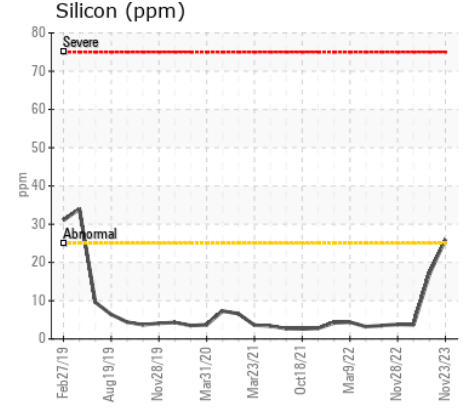
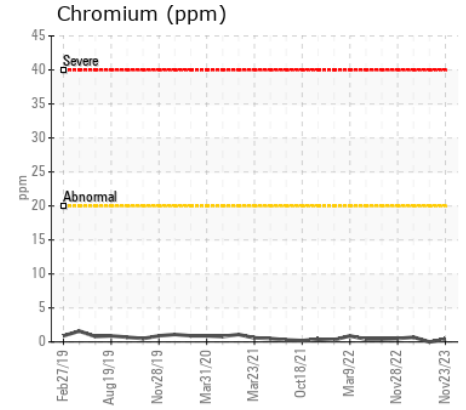
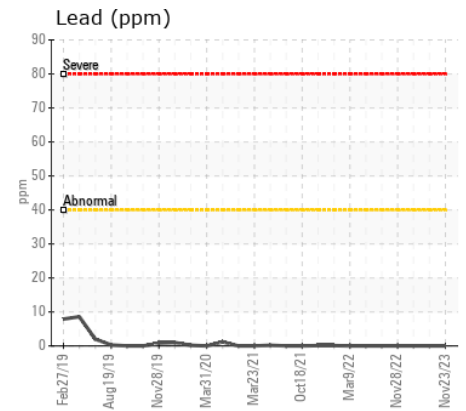
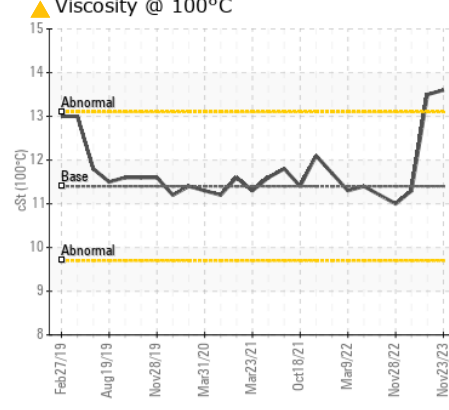
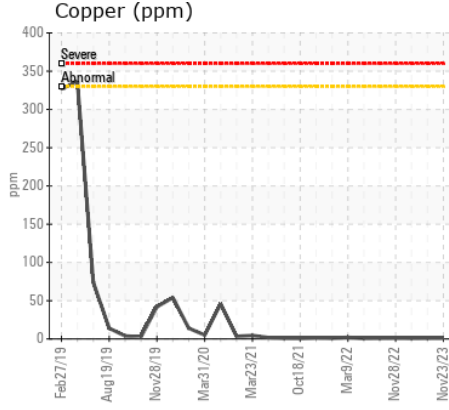
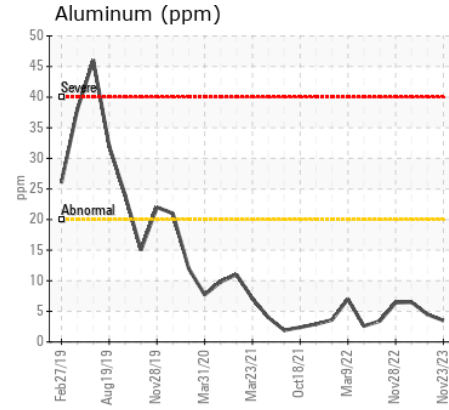
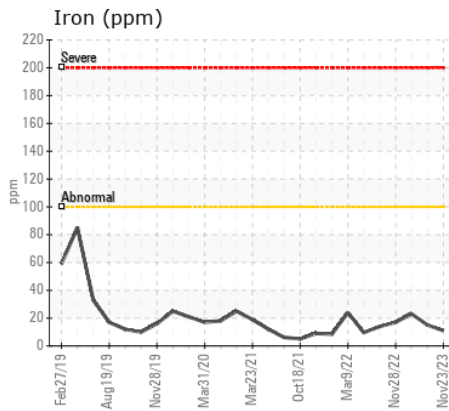
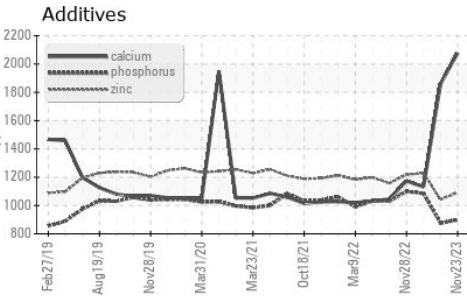
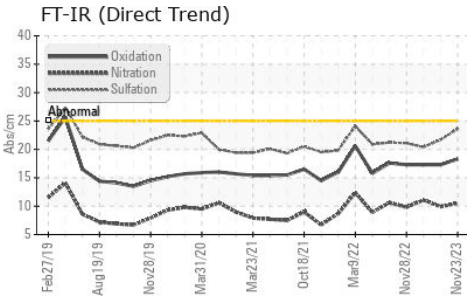
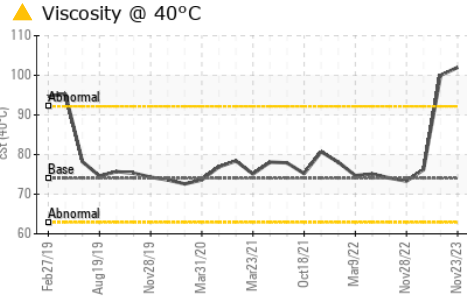
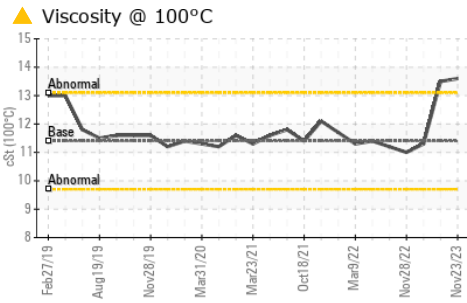
La viscosité de l'échantillon se situe dans la portée de l'SAE 15W40; nous vous conseillons de vérifier. Ceci, en plus des niveaux d'additifs, indique que la marque ou le type d'huile ne correspond pas à ce qui a été signalé. L'état de l'huile est acceptable pour la durée de service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0081852	PC0073184	PC0067698
Sample Date		Client Info		23 Nov 2023	23 Nov 2023	03 Mar 2023
Machine Age	kms	Client Info		427499	427499	381862
Oil Age	kms	Client Info		19785	19785	17786
Filter Age	kms	Client Info		19785	19785	17786
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL

Iron	ppm	ASTM D5185(m)	>100	15	11	23
Chromium	ppm	ASTM D5185(m)	>20	0	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	4	4	6
Lead	ppm	ASTM D5185(m)	>40	0	0	0
Copper	ppm	ASTM D5185(m)	>330	1	1	1
Tin	ppm	ASTM D5185(m)	>15	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

Silicon	ppm	ASTM D5185(m)	>25	17	▲ 26	4
Potassium	ppm	ASTM D5185(m)	>20	8	0	5
Fuel		WC Method	>2.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	0.0
Soot %	%	ASTM D7844*	>3	0.4	0.2	0.2
Nitration	Abs/cm	ASTM D7624*	>20	10.5	9.9	11.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.6	21.7	20.4
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

Sodium	ppm	ASTM D5185(m)		4	4	2
Boron	ppm	ASTM D5185(m)	1	82	75	2
Barium	ppm	ASTM D5185(m)	1	0	0	0
Molybdenum	ppm	ASTM D5185(m)	1	3	18	60
Manganese	ppm	ASTM D5185(m)	1	0	0	<1
Magnesium	ppm	ASTM D5185(m)	10	62	263	967
Calcium	ppm	ASTM D5185(m)	2942	2077	1859	1132
Phosphorus	ppm	ASTM D5185(m)	1102	900	875	1085
Zinc	ppm	ASTM D5185(m)	1351	1091	1042	1228
Sulfur	ppm	ASTM D5185(m)	3903	2750	2694	2642
Oxidation	Abs/.1mm	ASTM D7414*	>25	18.3	17.3	17.3
Visc @ 40°C	cSt	ASTM D7279(m)	74.0	▲ 102	▲ 100	76.2
Visc @ 100°C	cSt	ASTM D7279(m)	11.4	▲ 13.6	▲ 13.5	11.3
Viscosity Index (VI)	Scale	ASTM D2270*	146	133	134	139



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0081852 **Received** : 05 Apr 2024
Lab Number : **02626877** **Tested** : 05 Apr 2024
Unique Number : 5760009 **Diagnosed** : 08 Apr 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: KV40, VI)

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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.