



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
18-04
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON UHP 5W40 (--- GAL)

RECOMMENDATION

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		PC0074250	PC0068994	PC0068995
Sample Date		Client Info		21 Mar 2024	19 Dec 2023	19 Oct 2023
Machine Age	hrs	Client Info		12438	11903	11475
Oil Age	hrs	Client Info		535	428	377
Filter Age	hrs	Client Info		535	428	377
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>200	11	9	8
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	0	<1	0
Titanium	ppm	ASTM D5185(m)	>2	<1	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>30	10	6	3
Lead	ppm	ASTM D5185(m)	>30	0	<1	0
Copper	ppm	ASTM D5185(m)	>30	4	3	2
Tin	ppm	ASTM D5185(m)	>15	0	<1	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

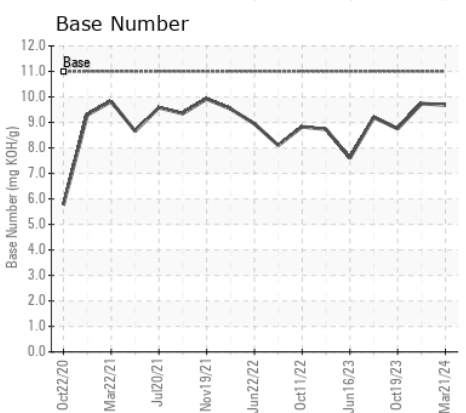
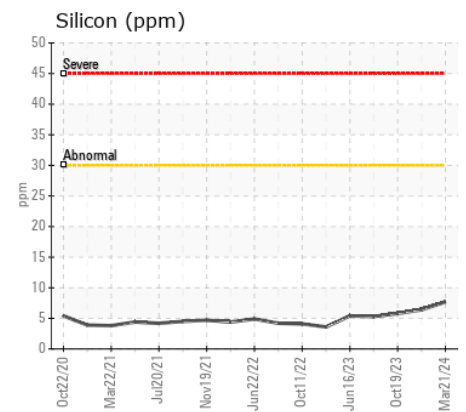
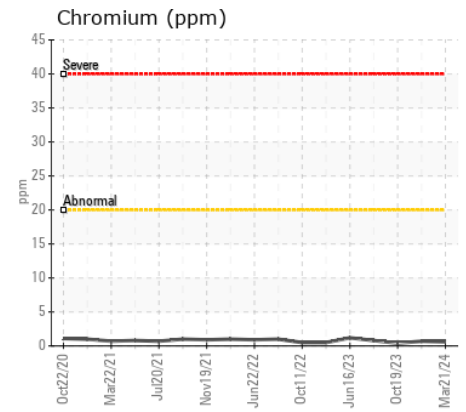
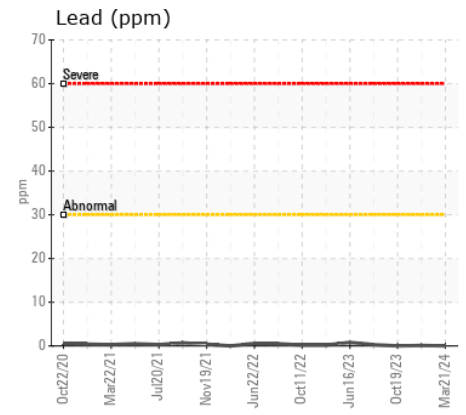
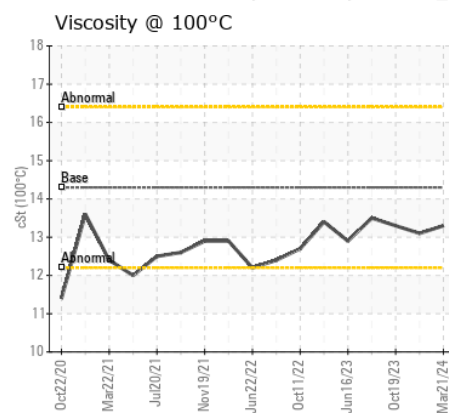
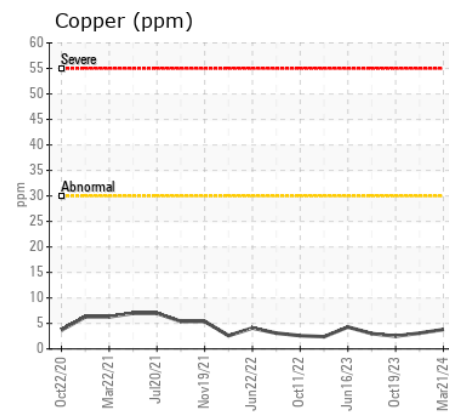
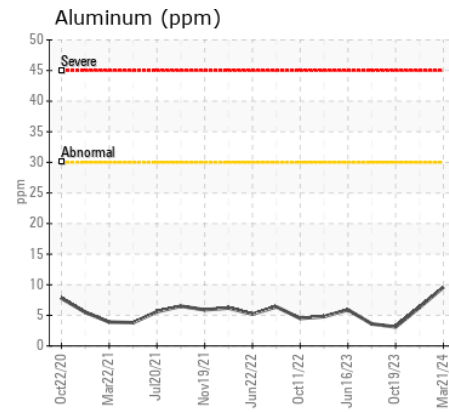
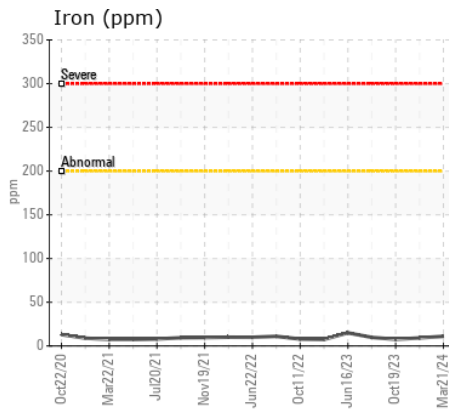
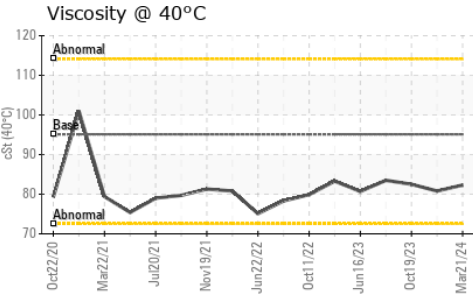
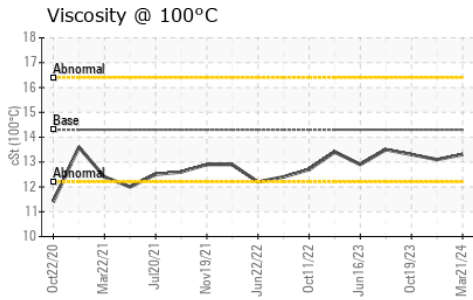
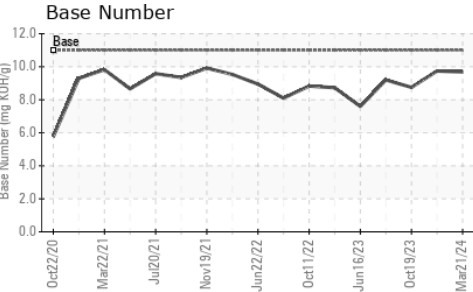
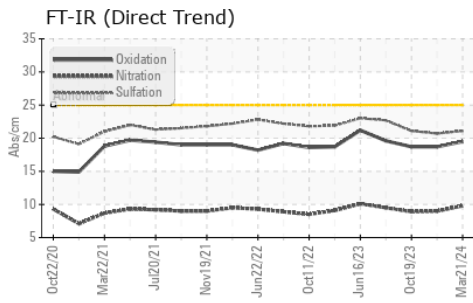
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>30	8	6	6
Potassium	ppm	ASTM D5185(m)	>20	4	3	1
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0.1	0.1	0.2
Nitration	Abs/cm	ASTM D7624*	>20	9.8	9.0	8.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.1	20.7	21.1
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'état de l'huile permet d'en prolonger l'utilisation.

Sodium	ppm	ASTM D5185(m)		9	10	5
Boron	ppm	ASTM D5185(m)	65	23	27	21
Barium	ppm	ASTM D5185(m)	0	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	65	59	57	57
Manganese	ppm	ASTM D5185(m)	0	0	0	0
Magnesium	ppm	ASTM D5185(m)	1160	1075	1045	1052
Calcium	ppm	ASTM D5185(m)	820	842	877	865
Phosphorus	ppm	ASTM D5185(m)	1160	973	985	980
Zinc	ppm	ASTM D5185(m)	1260	1200	1175	1174
Sulfur	ppm	ASTM D5185(m)	3000	2611	2789	2635
Oxidation	Abs/.1mm	ASTM D7414*	>25	19.5	18.7	18.7
Base Number (BN)	mg KOH/g	ASTM D2896*	11.0	9.68	9.74	8.75
Visc @ 40°C	cSt	ASTM D7279(m)	95.1	82.3	80.8	82.5
Visc @ 100°C	cSt	ASTM D7279(m)	14.3	13.3	13.1	13.3
Viscosity Index (VI)	Scale	ASTM D2270*	169	163	163	163



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0074250 **Received** : 08 Apr 2024
Lab Number : 02627236 **Tested** : 09 Apr 2024
Unique Number : 5760368 **Diagnosed** : 09 Apr 2024 - Wes Davis
Test Package : MOB 2 (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.