



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
WESTERN 19-20

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		PC0074245	PC0068992	PC0063385
Sample Date		Client Info		06 Mar 2024	11 Jan 2024	13 Jun 2023
Machine Age	hrs	Client Info		7572	7211	6804
Oil Age	hrs	Client Info		361	395	600
Filter Age	hrs	Client Info		361	395	600
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>100	6	8	20
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	3
Nickel	ppm	ASTM D5185(m)	>4	<1	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	5	5	▲ 23
Lead	ppm	ASTM D5185(m)	>40	0	0	0
Copper	ppm	ASTM D5185(m)	>330	2	3	5
Tin	ppm	ASTM D5185(m)	>15	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

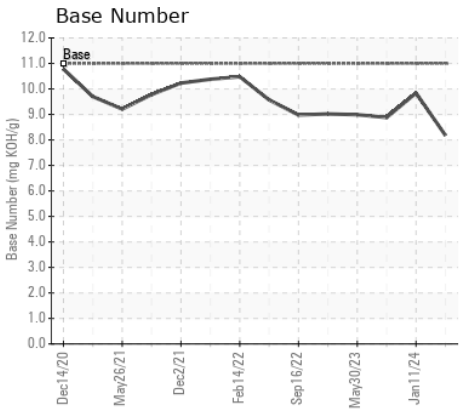
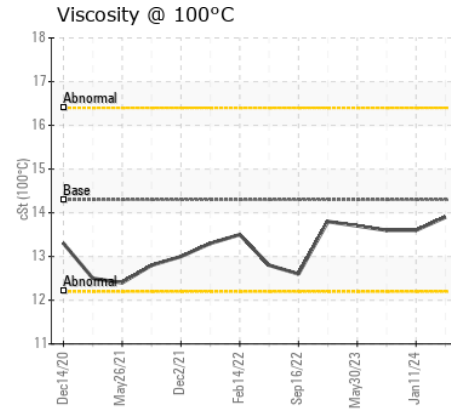
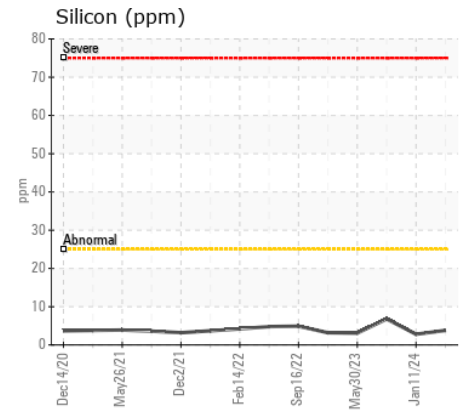
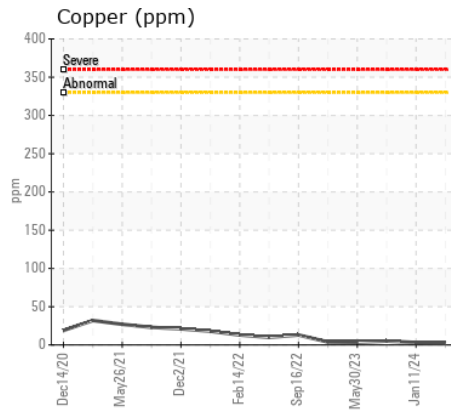
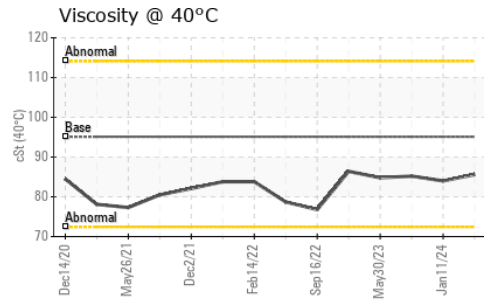
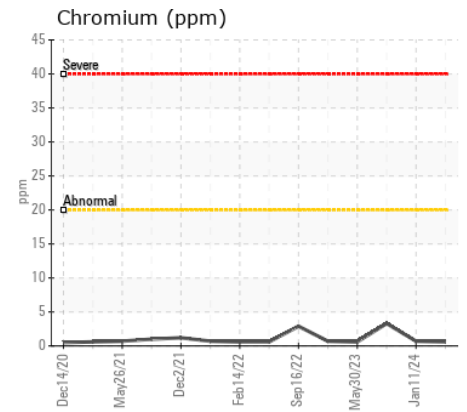
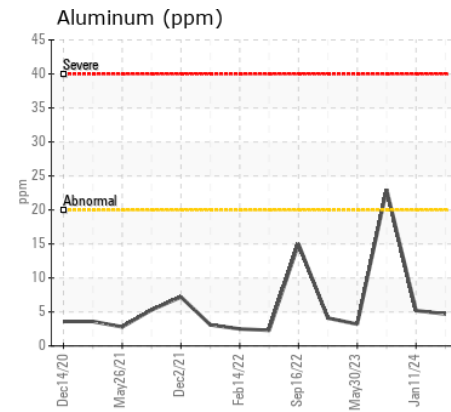
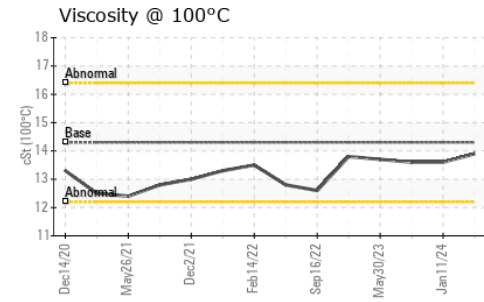
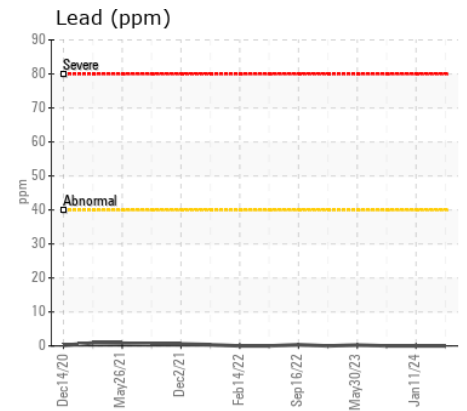
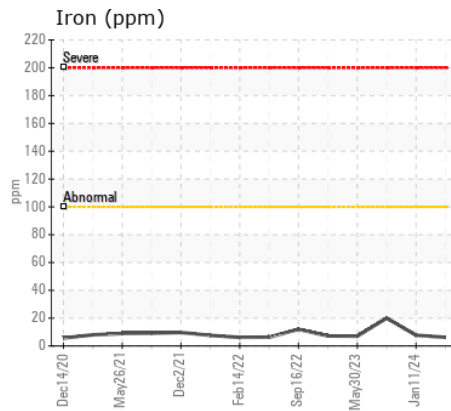
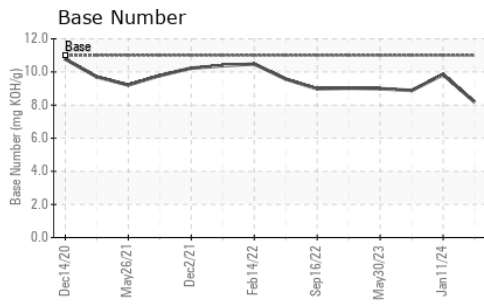
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	4	3	7
Potassium	ppm	ASTM D5185(m)	>20	4	6	4
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	0.0	NEG
Soot %	%	ASTM D7844*	>3	0.1	0.1	0.1
Nitration	Abs/cm	ASTM D7624*	>20	8.0	8.3	8.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.3	20.7	21.1
Emulsified Water	scalar	Visual*	>0.2	NEG	.2%	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)		4	4	15
Boron	ppm	ASTM D5185(m)	65	43	33	32
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	65	56	54	59
Manganese	ppm	ASTM D5185(m)	0	0	0	<1
Magnesium	ppm	ASTM D5185(m)	1160	1027	1032	1027
Calcium	ppm	ASTM D5185(m)	820	826	837	928
Phosphorus	ppm	ASTM D5185(m)	1160	962	956	1035
Zinc	ppm	ASTM D5185(m)	1260	1132	1132	1175
Sulfur	ppm	ASTM D5185(m)	3000	2768	2736	2716
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.6	17.8	18.3
Base Number (BN)	mg KOH/g	ASTM D2896*	11.0	8.18	9.84	8.88
Visc @ 40°C	cSt	ASTM D7279(m)	95.1	85.6	84.0	85.2
Visc @ 100°C	cSt	ASTM D7279(m)	14.3	13.9	13.6	13.6
Viscosity Index (VI)	Scale	ASTM D2270*	169	167	165	162



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0074245 **Received** : 08 Mar 2024
Lab Number : 02620730 **Tested** : 11 Mar 2024
Unique Number : 5737840 **Diagnosed** : 11 Mar 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.