

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		PC0068994	PC0068995	PC0073772
Sample Date		Client Info		19 Dec 2023	19 Oct 2023	21 Aug 2023
Machine Age	hrs	Client Info		11903	11475	11123
Oil Age	hrs	Client Info		428	377	401
Filter Age	hrs	Client Info		428	377	401
Oil Changed		Client Info		Changed	Changed	N/A
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

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

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

CONTAMINATION

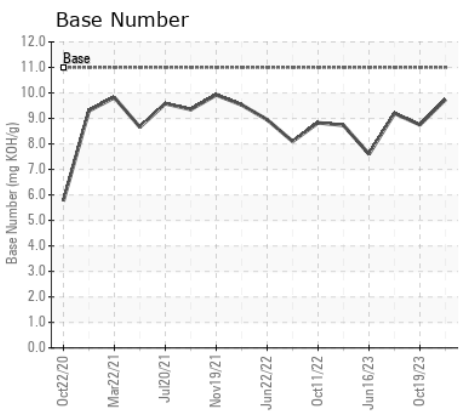
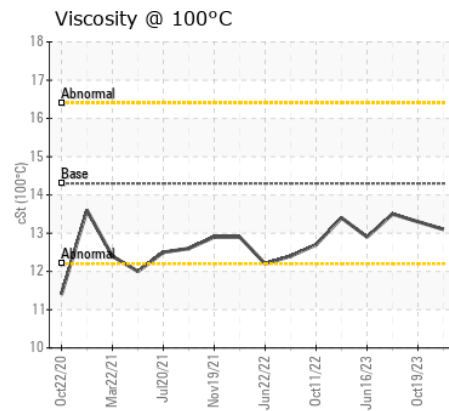
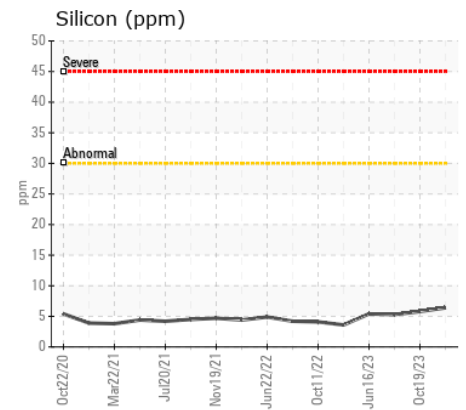
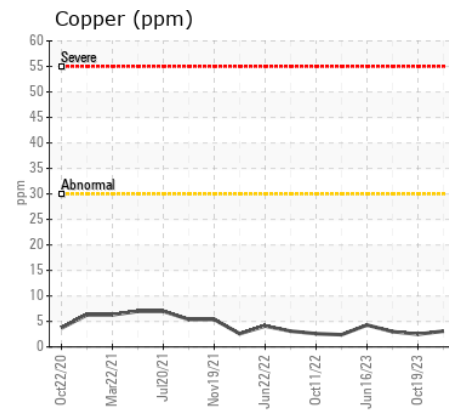
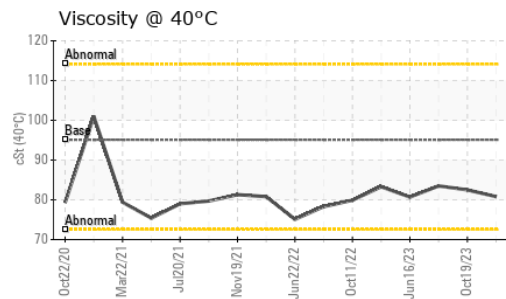
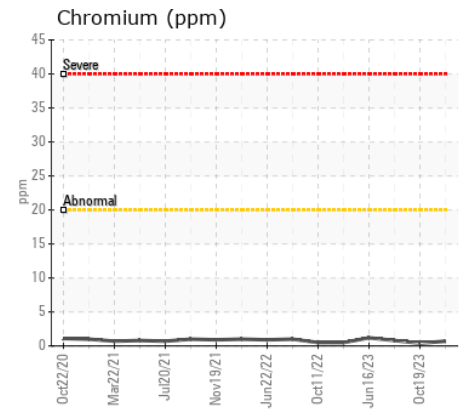
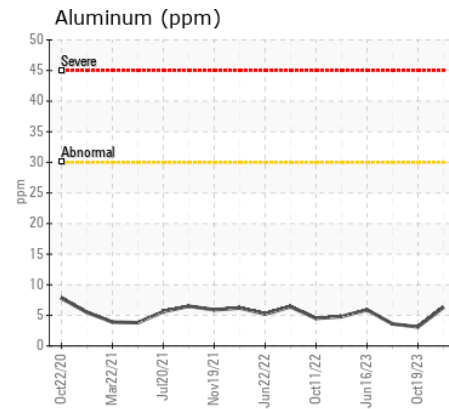
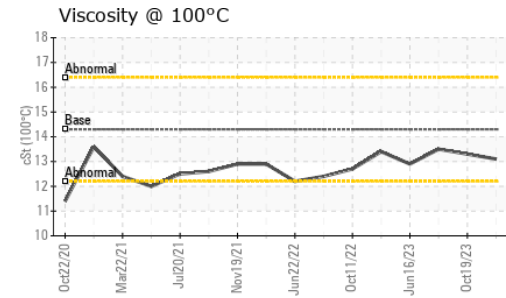
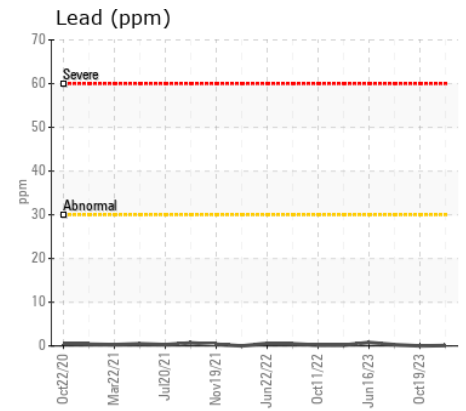
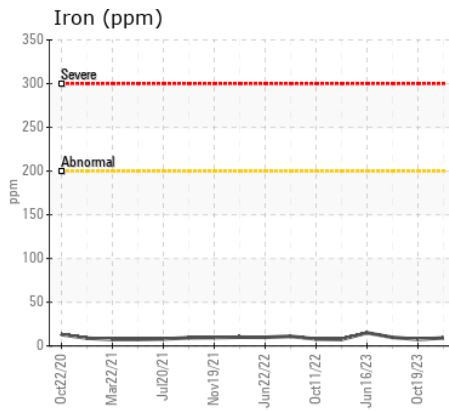
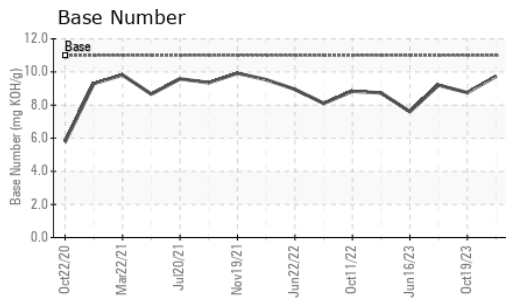
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>30	6	6	5
Potassium	ppm	ASTM D5185(m)	>20	3	1	2
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	0.2	0.2
Nitration	Abs/cm	ASTM D7624*	>20	9.0	8.9	9.5
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.7	21.1	22.7
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)		10	5	5
Boron	ppm	ASTM D5185(m)	65	27	21	17
Barium	ppm	ASTM D5185(m)	0	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	65	57	57	56
Manganese	ppm	ASTM D5185(m)	0	0	0	<1
Magnesium	ppm	ASTM D5185(m)	1160	1045	1052	1081
Calcium	ppm	ASTM D5185(m)	820	877	865	842
Phosphorus	ppm	ASTM D5185(m)	1160	985	980	1026
Zinc	ppm	ASTM D5185(m)	1260	1175	1174	1175
Sulfur	ppm	ASTM D5185(m)	3000	2789	2635	2585
Oxidation	Abs/.1mm	ASTM D7414*	>25	18.7	18.7	19.6
Base Number (BN)	mg KOH/g	ASTM D2896*	11.0	9.74	8.75	9.20
Visc @ 40°C	cSt	ASTM D7279(m)	95.1	80.8	82.5	83.5
Visc @ 100°C	cSt	ASTM D7279(m)	14.3	13.1	13.3	13.5
Viscosity Index (VI)	Scale	ASTM D2270*	169	163	163	164



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0068994 **Received** : 22 Dec 2023
Lab Number : 02604797 **Diagnosed** : 27 Dec 2023
Unique Number : 5697882 **Diagnostician** : Wes Davis
Test Package : MOB 2 (Additional Tests: KV40, VI)

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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