



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
8398
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON SHP 10W30 (--- 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		PC0083845	PC0083959	PC0071794
Sample Date		Client Info		21 Feb 2024	31 Jan 2024	29 Jun 2023
Machine Age	kms	Client Info		300489	298737	280670
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				NORMAL	NORMAL	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>75	8	31	33
Chromium	ppm	ASTM D5185(m)	>5	<1	<1	1
Nickel	ppm	ASTM D5185(m)	>4	0	<1	0
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>15	2	4	4
Lead	ppm	ASTM D5185(m)	>25	0	2	2
Copper	ppm	ASTM D5185(m)	>100	<1	2	2
Tin	ppm	ASTM D5185(m)	>4	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	VLITE	---	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	---	NONE

CONTAMINATION

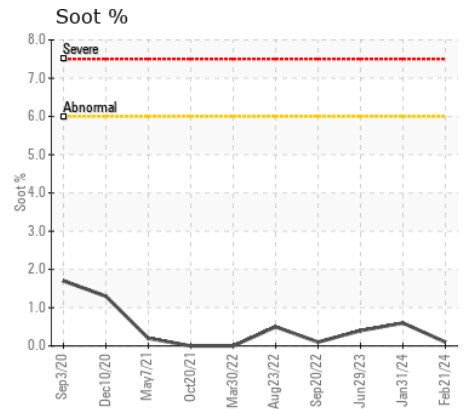
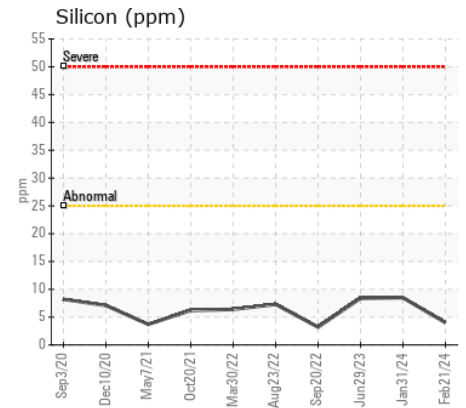
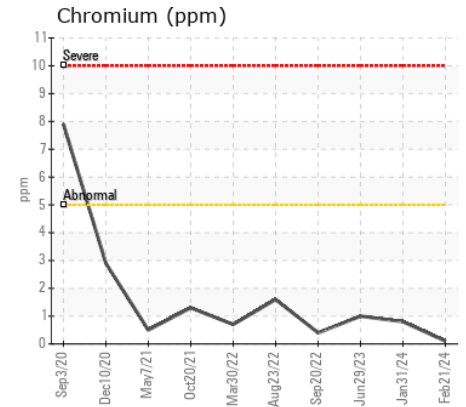
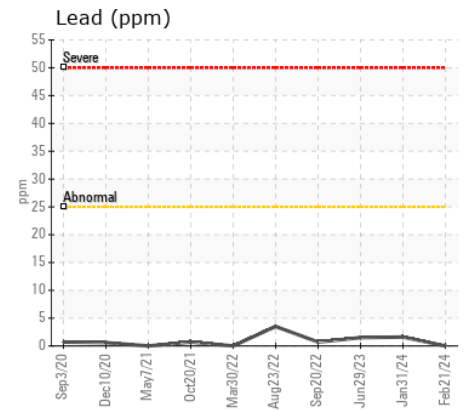
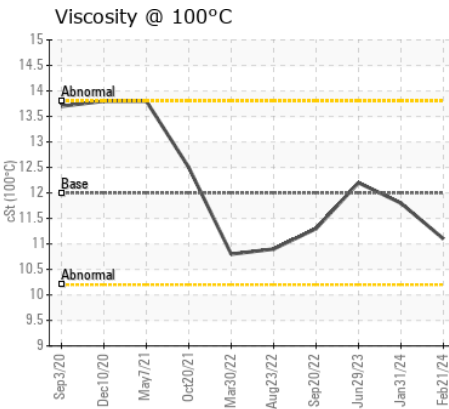
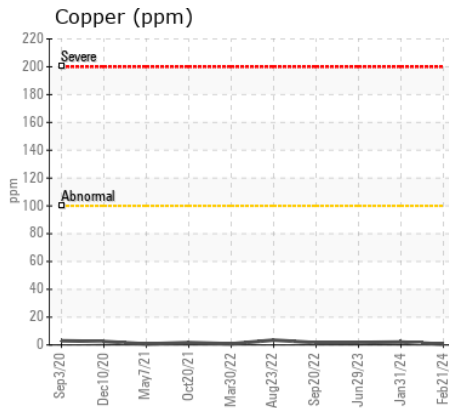
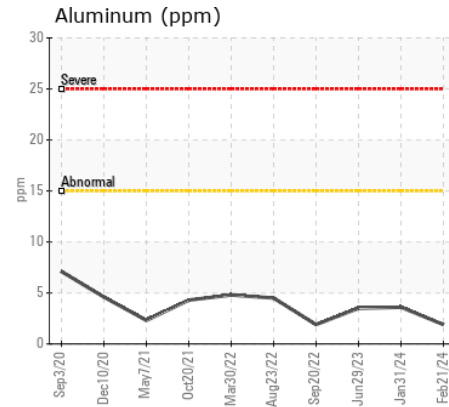
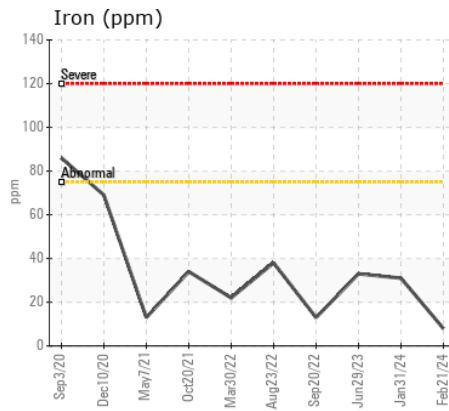
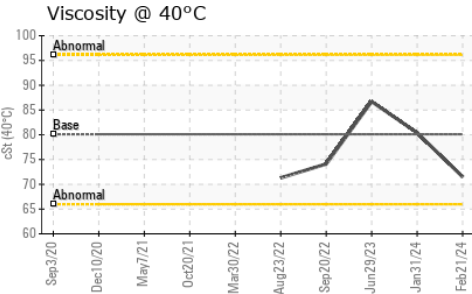
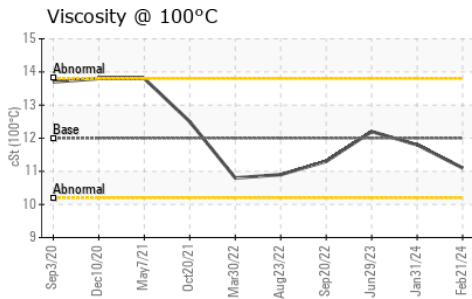
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	4	8	8
Potassium	ppm	ASTM D5185(m)	>20	1	3	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*	>6	0.1	0.6	0.4
Nitration	Abs/cm	ASTM D7624*	>20	6.6	12.4	11.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.3	27.9	24.4
Silt	scalar	Visual*	NONE	NONE	---	NONE
Debris	scalar	Visual*	NONE	NONE	---	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	---	NONE
Appearance	scalar	Visual*	NORML	NORML	---	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		2	2	9
Boron	ppm	ASTM D5185(m)	2	11	15	4
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	50	53	29	59
Manganese	ppm	ASTM D5185(m)	0	0	0	<1
Magnesium	ppm	ASTM D5185(m)	950	812	268	925
Calcium	ppm	ASTM D5185(m)	1050	1132	1943	1153
Phosphorus	ppm	ASTM D5185(m)	995	974	915	1068
Zinc	ppm	ASTM D5185(m)	1180	1102	1107	1215
Sulfur	ppm	ASTM D5185(m)	2600	2704	2778	2364
Oxidation	Abs/.1mm	ASTM D7414*	>25	14.5	23.0	23.0
Visc @ 40°C	cSt	ASTM D7279(m)	80.1	71.5	80.4	86.7
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	11.1	11.8	12.2
Viscosity Index (VI)	Scale	ASTM D2270*	144	146	140	135



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0083845
Lab Number : 02617588
Unique Number : 5734698
Test Package : MOB 1 (Additional Tests: KV40, VI, Visual)
Received : 23 Feb 2024
Tested : 23 Feb 2024
Diagnosed : 23 Feb 2024 - Wes Davis
 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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