

Machine Id
351042
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		PC0083994	PC0073181	PC0067491
Sample Date		Client Info		13 Feb 2024	30 Aug 2023	10 Mar 2023
Machine Age	hrs	Client Info		12515	351136	12477
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	N/A
Filter Changed		Client Info		N/A	Changed	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>100	5	7	6
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>4	<1	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	▲ 4	0
Aluminum	ppm	ASTM D5185(m)	>20	2	1	2
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	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

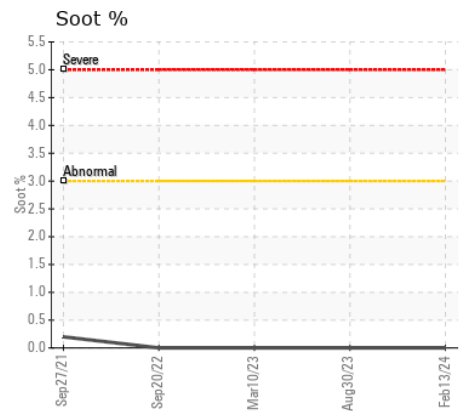
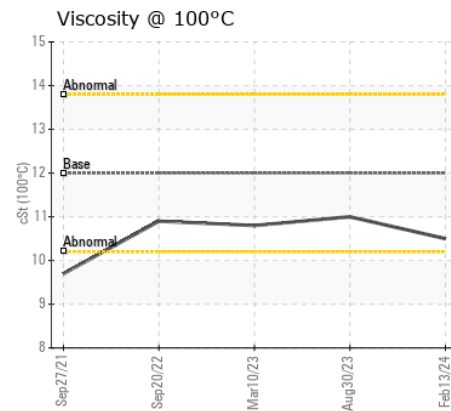
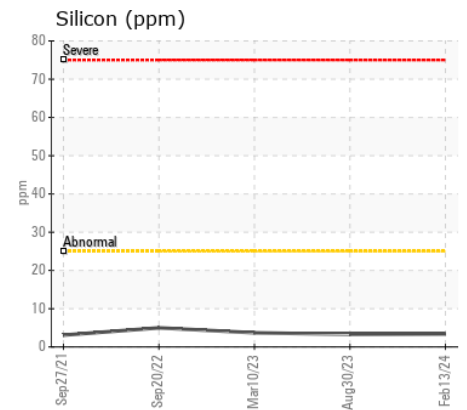
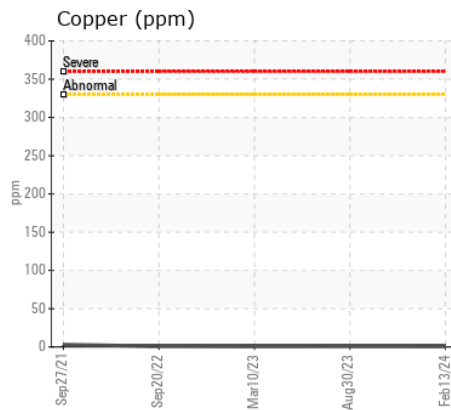
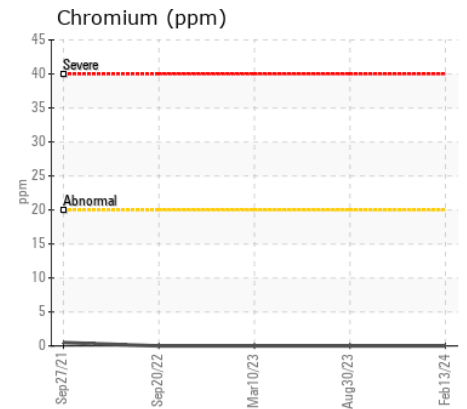
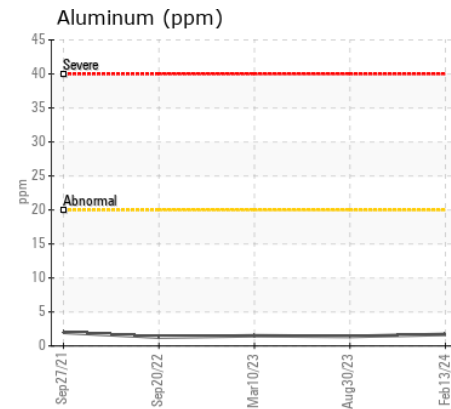
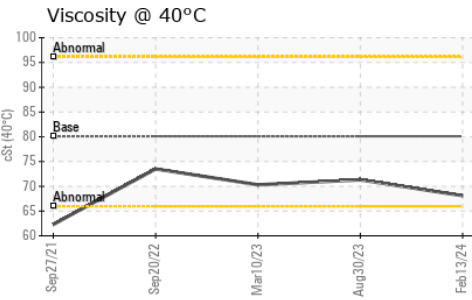
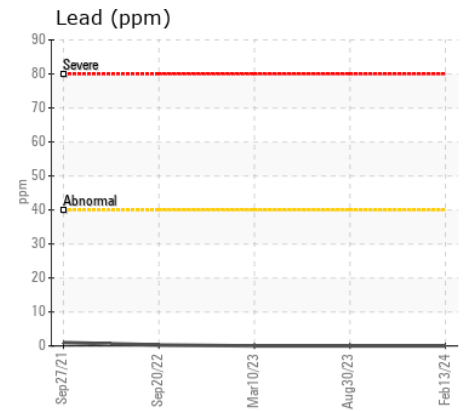
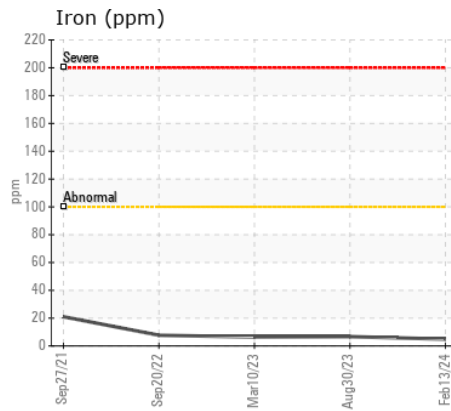
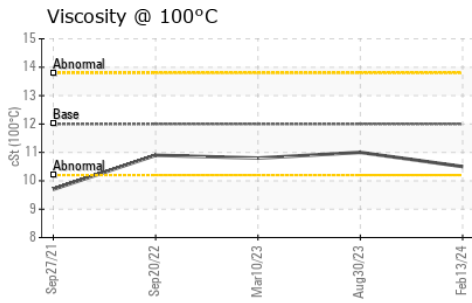
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	3	3	4
Potassium	ppm	ASTM D5185(m)	>20	3	2	3
Fuel		WC Method	>2.0	<1.0	<1.0	0.9
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	0.0
Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	4.5	4.5	4.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	17.5	18.2	20.1
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)		5	5	4
Boron	ppm	ASTM D5185(m)	2	9	14	28
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	50	58	57	59
Manganese	ppm	ASTM D5185(m)	0	0	<1	<1
Magnesium	ppm	ASTM D5185(m)	950	933	915	857
Calcium	ppm	ASTM D5185(m)	1050	1052	1008	1190
Phosphorus	ppm	ASTM D5185(m)	995	1023	1034	1076
Zinc	ppm	ASTM D5185(m)	1180	1150	1115	1138
Sulfur	ppm	ASTM D5185(m)	2600	2809	2576	2726
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.0	11.8	13.0
Visc @ 40°C	cSt	ASTM D7279(m)	80.1	68.1	71.3	70.3
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	10.5	11.0	10.8
Viscosity Index (VI)	Scale	ASTM D2270*	144	141	144	142



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

Sample No. : PC0083994

Lab Number : 02617961

Unique Number : 5735071

Test Package : MOB 1 (Additional Tests: KV40, VI)

Received : 26 Feb 2024

Tested : 26 Feb 2024

Diagnosed : 26 Feb 2024 - Wes Davis

GFL Environmental - 742 - Quebec City Solid Waste

5160 Jean-Talon Pierre-Bertrand Bou

Quebec City, QC

CA G2J 1B7

Contact: Jean Audet

Jaudet@matrec.ca

T: (418)624-0080

F:

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.