



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
830019
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 15W40 (--- GAL)

RECOMMENDATION

Confirmez la source du lubrifiant utilisé pour l'appoint/remplissage.
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		PC0088680	PC0081883	PC0066584
Sample Date		Client Info		23 May 2024	12 Dec 2023	14 Dec 2022
Machine Age	hrs	Client Info		125920	0	0
Oil Age	hrs	Client Info		97063	0	0
Filter Age	hrs	Client Info		97063	0	0
Oil Changed		Client Info		Changed	Changed	N/A
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>90	17	33	60
Chromium	ppm	ASTM D5185(m)	>20	<1	3	5
Nickel	ppm	ASTM D5185(m)	>2	<1	2	3
Titanium	ppm	ASTM D5185(m)	>2	0	0	<1
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	4	▲ 25	▲ 30
Lead	ppm	ASTM D5185(m)	>40	0	2	12
Copper	ppm	ASTM D5185(m)	>330	<1	5	9
Tin	ppm	ASTM D5185(m)	>15	0	1	2
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	VLITE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

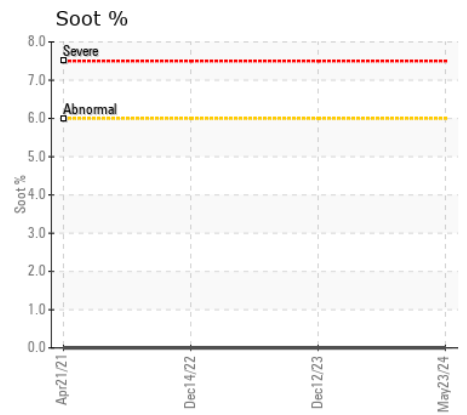
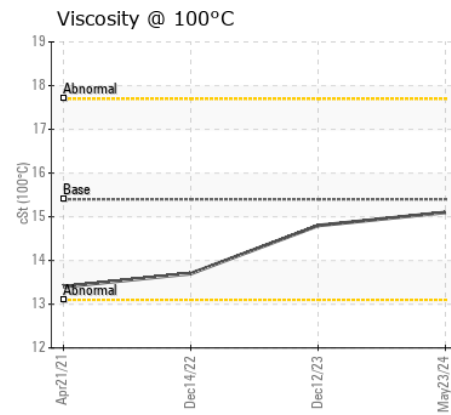
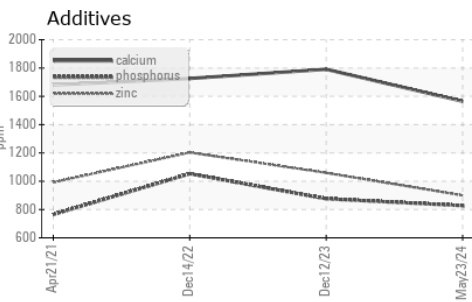
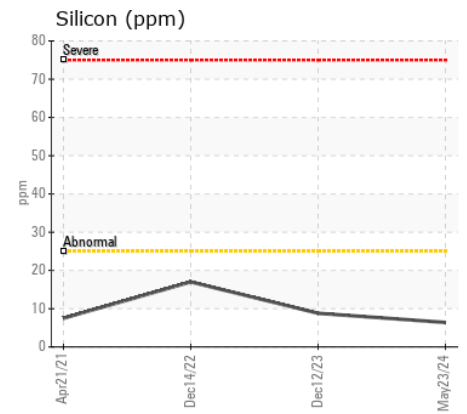
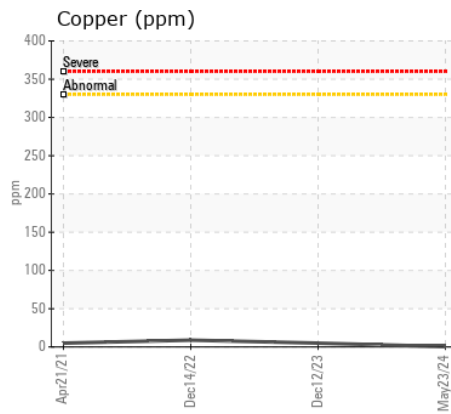
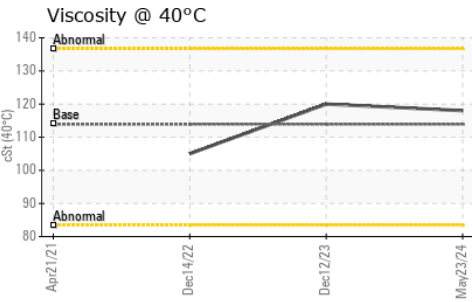
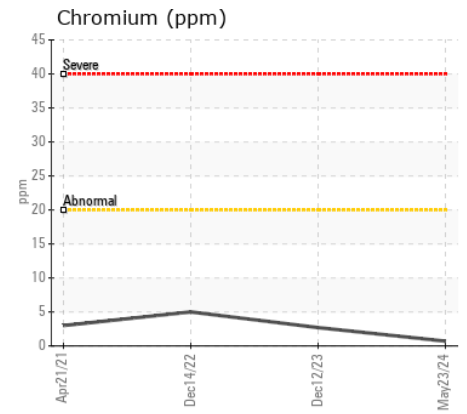
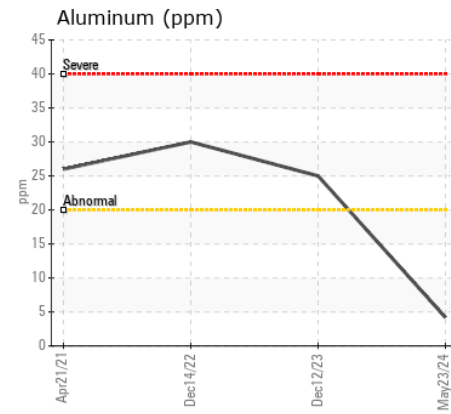
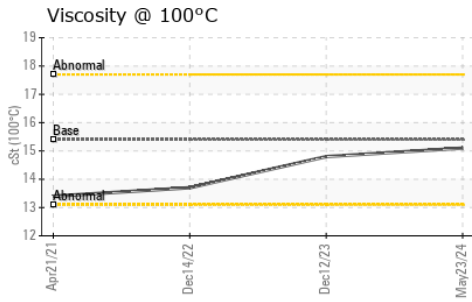
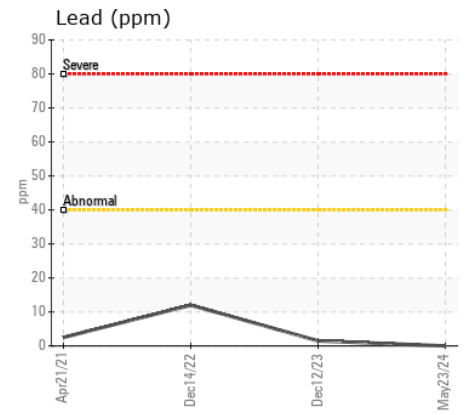
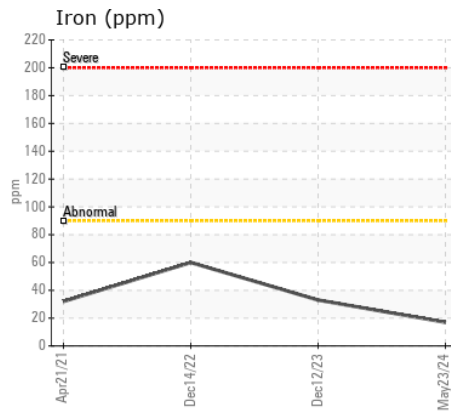
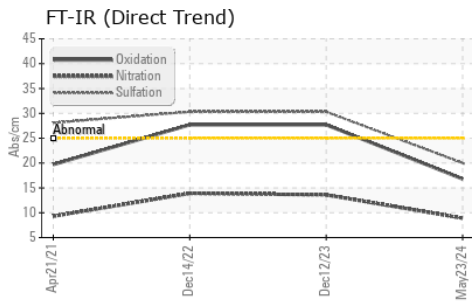
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	6	9	17
Potassium	ppm	ASTM D5185(m)	>20	2	21	28
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	0.0	0.0
Soot %	%	ASTM D7844*	>6	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	8.9	13.6	13.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.0	30.3	30.3
Silt	scalar	Visual*	NONE	VLITE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		4	12	6
Boron	ppm	ASTM D5185(m)	0	22	6	11
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	51	62	76
Manganese	ppm	ASTM D5185(m)	0	<1	<1	2
Magnesium	ppm	ASTM D5185(m)	1010	579	674	913
Calcium	ppm	ASTM D5185(m)	1070	1565	1791	1726
Phosphorus	ppm	ASTM D5185(m)	1150	827	876	1053
Zinc	ppm	ASTM D5185(m)	1270	900	1059	1203
Sulfur	ppm	ASTM D5185(m)	2060	1973	2196	2314
Oxidation	Abs/.1mm	ASTM D7414*	>25	16.8	27.7	27.7
Visc @ 40°C	cSt	ASTM D7279(m)	113.9	118	120	105
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	15.1	14.8	13.7
Viscosity Index (VI)	Scale	ASTM D2270*	142	132	126	130



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088680
Lab Number : 02639781
Unique Number : 5788943
Test Package : MOB 1 (Additional Tests: KV40, VI, Visual)

GFL Environmental - 742 - Quebec City Solid Waste
 5160 Jean-Talon Pierre-Bertrand Bou
 Quebec City, QC
 CA G2J 1B7
 Contact: Jean Audet
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 T: (418)624-0080
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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.