



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
801235
Component
Natural Gas 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		PC0083792	CU0021573	PC0067494
Sample Date		Client Info		29 Feb 2024	30 Nov 2023	16 Mar 2023
Machine Age	hrs	Client Info		21234	186677	167681
Oil Age	hrs	Client Info		0	1200	0
Filter Age	hrs	Client Info		0	1200	0
Oil Changed		Client Info		N/A	Changed	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>50	13	29	25
Chromium	ppm	ASTM D5185(m)	>4	<1	2	1
Nickel	ppm	ASTM D5185(m)	>2	<1	1	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>3	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>9	4	6	4
Lead	ppm	ASTM D5185(m)	>30	1	4	1
Copper	ppm	ASTM D5185(m)	>35	<1	1	<1
Tin	ppm	ASTM D5185(m)	>4	<1	1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

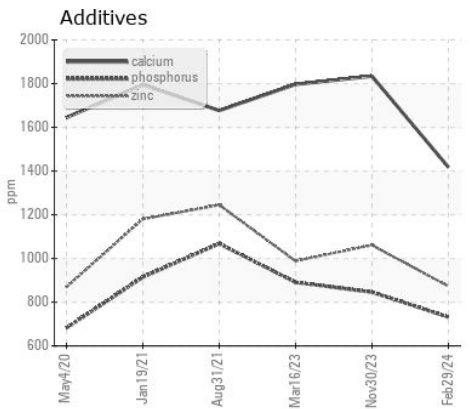
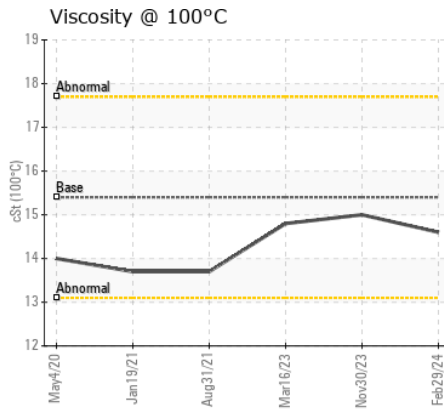
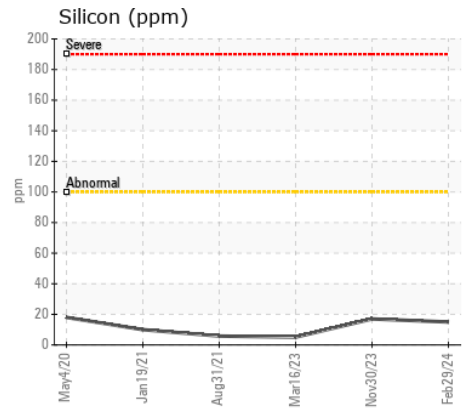
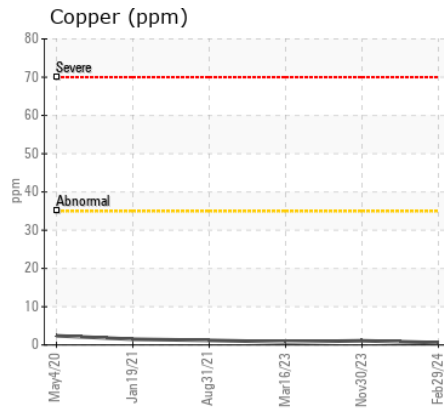
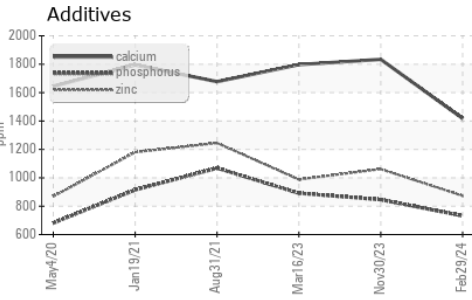
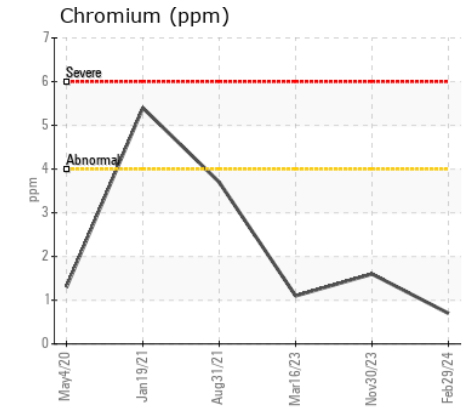
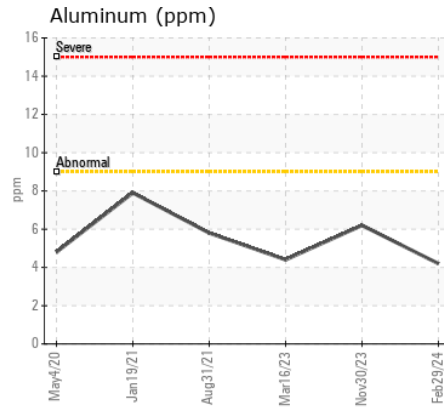
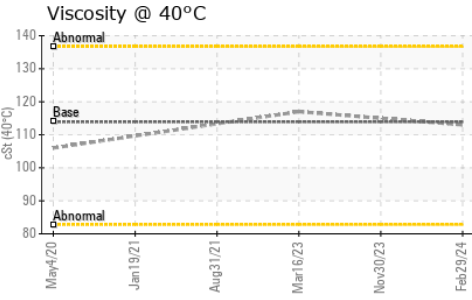
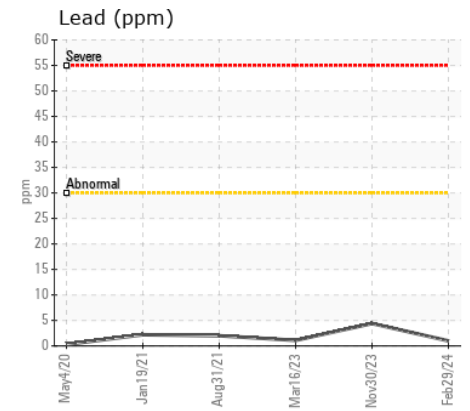
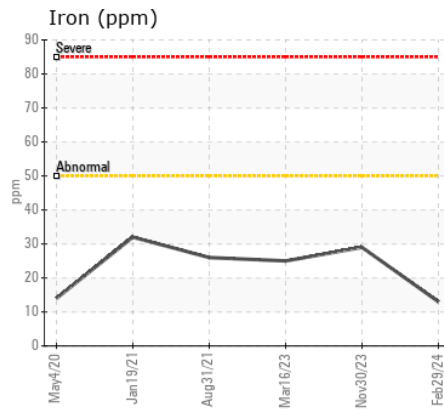
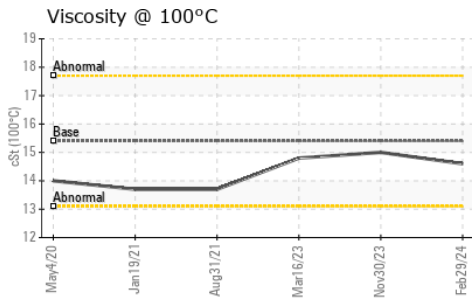
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>+100	15	17	5
Potassium	ppm	ASTM D5185(m)	>20	1	0	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	11.6	11.6	8.5
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.3	26.4	22.0
Emulsified Water	scalar	Visual*	>0.1	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	10	10
Boron	ppm	ASTM D5185(m)	0	13	9	8
Barium	ppm	ASTM D5185(m)	0	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	60	52	61	60
Manganese	ppm	ASTM D5185(m)	0	0	<1	<1
Magnesium	ppm	ASTM D5185(m)	1010	743	693	674
Calcium	ppm	ASTM D5185(m)	1070	1418	1834	1797
Phosphorus	ppm	ASTM D5185(m)	1150	732	846	891
Zinc	ppm	ASTM D5185(m)	1270	873	1061	988
Sulfur	ppm	ASTM D5185(m)	2060	2150	2109	2091
Oxidation	Abs/.1mm	ASTM D7414*	>25	19.4	21.4	13.0
Visc @ 40°C	cSt	ASTM D7279(m)	113.9	113	---	117
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	14.6	15.0	14.8
Viscosity Index (VI)	Scale	ASTM D2270*	142	132	---	129



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0083792
Lab Number : 02620762
Unique Number : 5737872
Test Package : MOB 1 (Additional Tests: KV40, VI)
Received : 08 Mar 2024
Tested : 08 Mar 2024
Diagnosed : 08 Mar 2024 - Kevin Marson

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.