



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
7151
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 10W30 (47 LTR)

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		GFL0094171	GFL0094170	GFL0059916
Sample Date		Client Info		18 Jan 2024	14 Nov 2023	15 Dec 2022
Machine Age	hrs	Client Info		32298	32195	31043
Oil Age	hrs	Client Info		600	600	600
Filter Age	hrs	Client Info		600	600	600
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>100	7	17	15
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<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)	>20	4	9	6
Lead	ppm	ASTM D5185(m)	>40	<1	0	0
Copper	ppm	ASTM D5185(m)	>330	12	2	2
Tin	ppm	ASTM D5185(m)	>15	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

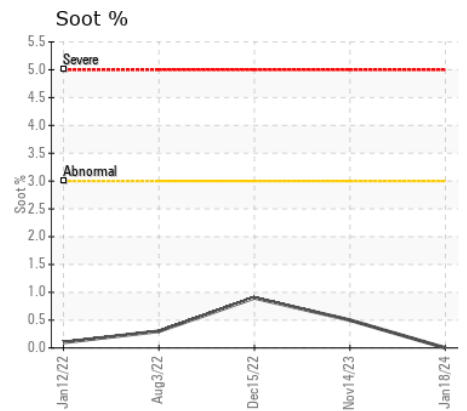
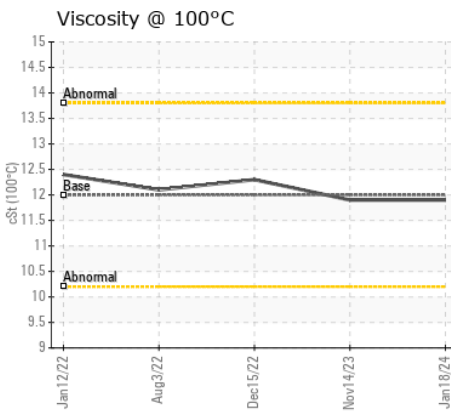
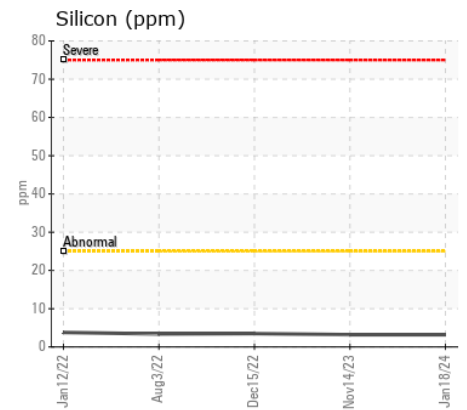
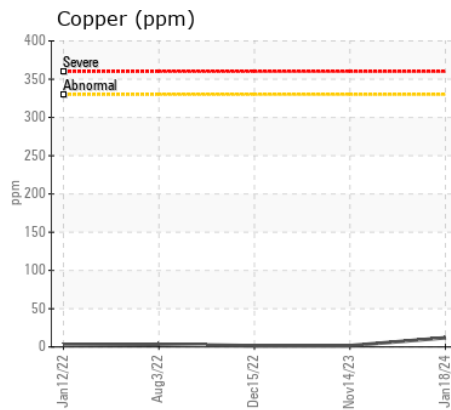
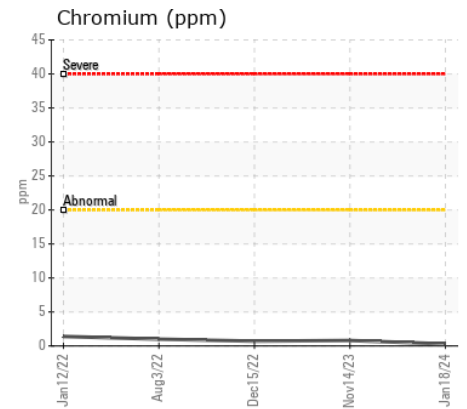
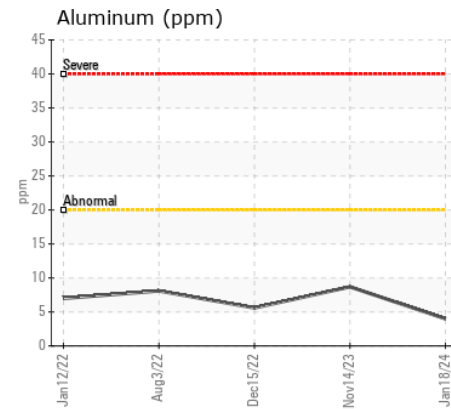
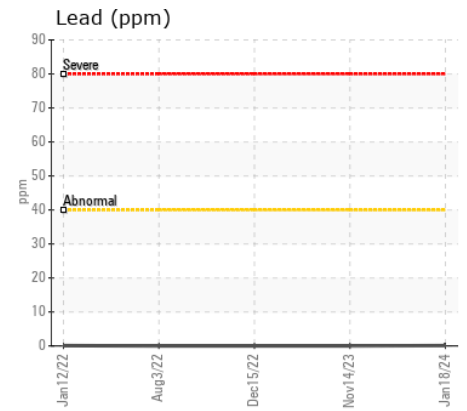
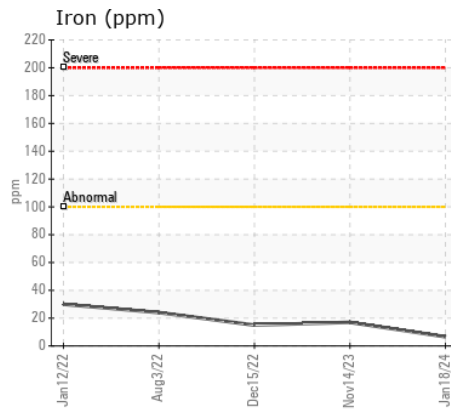
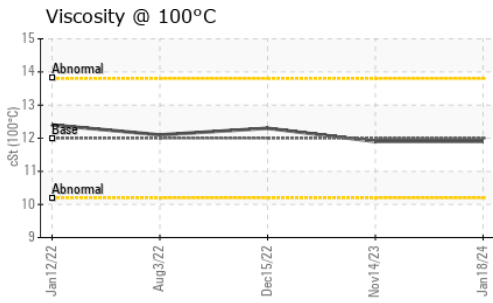
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	3	3	4
Potassium	ppm	ASTM D5185(m)	>20	3	5	3
Fuel		WC Method	>5	<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	0.5	0.9
Nitration	Abs/cm	ASTM D7624*	>20	5.4	7.7	8.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.3	19.5	21.5
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)		1	2	2
Boron	ppm	ASTM D5185(m)	2	2	2	5
Barium	ppm	ASTM D5185(m)	0	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	50	58	60	59
Manganese	ppm	ASTM D5185(m)	0	0	0	<1
Magnesium	ppm	ASTM D5185(m)	950	947	983	956
Calcium	ppm	ASTM D5185(m)	1050	1095	1119	1095
Phosphorus	ppm	ASTM D5185(m)	995	1012	980	1034
Zinc	ppm	ASTM D5185(m)	1180	1167	1207	1176
Sulfur	ppm	ASTM D5185(m)	2600	2755	2449	2453
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.6	14.8	15.1
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	11.9	11.9	12.3



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 731STOK - Stoke Hauling
Sample No. : GFL0094171 **Received** : 22 Jan 2024 286 Chemin Cote
Lab Number : 02610106 **Diagnosed** : 22 Jan 2024 Stoke, QC
Unique Number : 5711192 **Diagnostician** : Wes Davis CA J0B 3G0
Test Package : MOB 1 Contact: Robert Sayers
 rsayers@matrec.ca

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.