



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
812052
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 10W30 (--- 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		GFL	GFL0027061	GFL0027033
Sample Date		Client Info		08 May 2024	04 Jul 2022	31 May 2022
Machine Age	kms	Client Info		90837	17423	12817
Oil Age	kms	Client Info		0	0	0
Filter Age	kms	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant.

Iron	ppm	ASTM D5185(m)	>80	7	7	32
Chromium	ppm	ASTM D5185(m)	>5	0	0	<1
Nickel	ppm	ASTM D5185(m)	>2	0	0	0
Titanium	ppm	ASTM D5185(m)		0	<1	<1
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>30	4	5	8
Lead	ppm	ASTM D5185(m)	>30	0	0	<1
Copper	ppm	ASTM D5185(m)	>150	<1	2	14
Tin	ppm	ASTM D5185(m)	>5	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	VLITE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

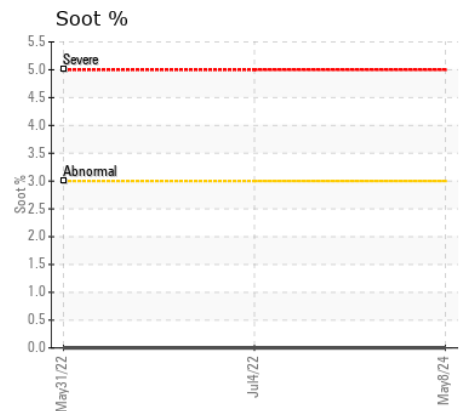
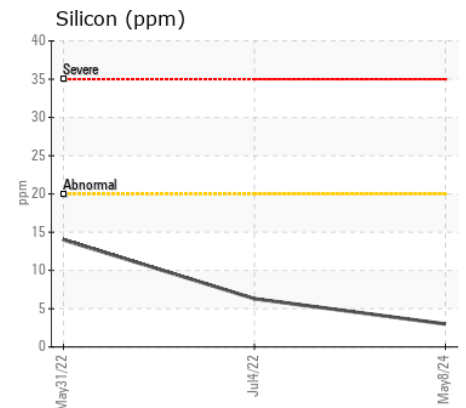
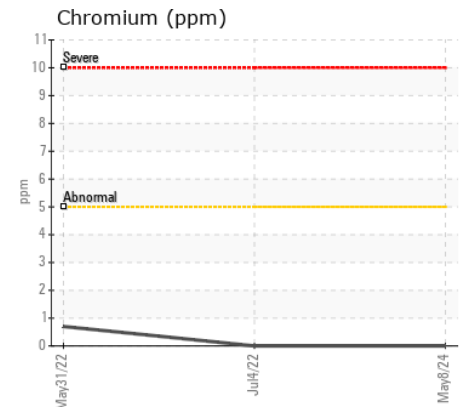
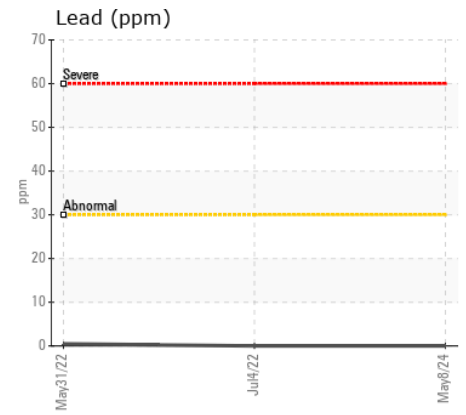
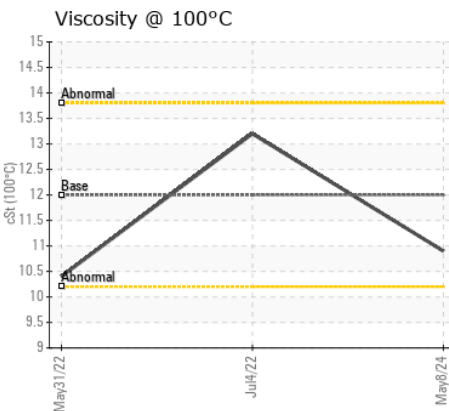
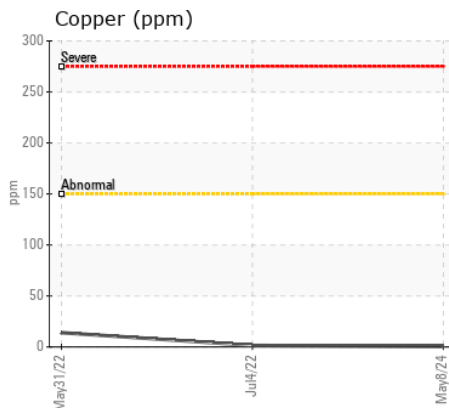
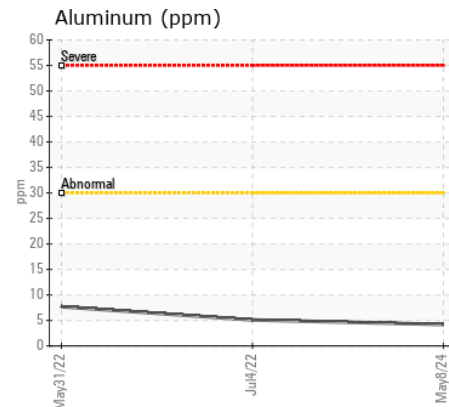
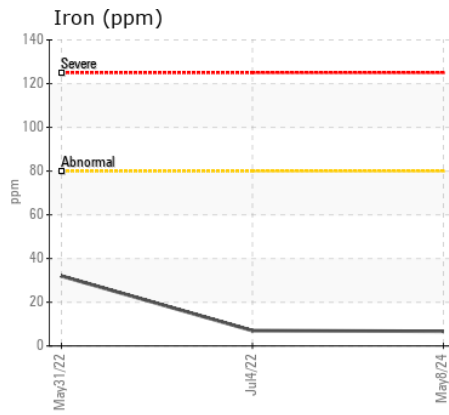
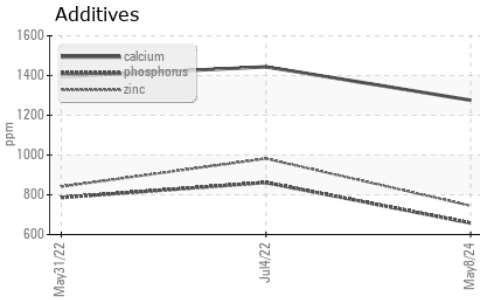
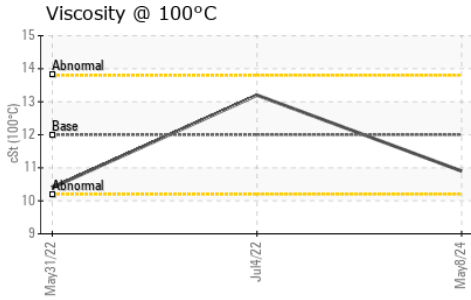
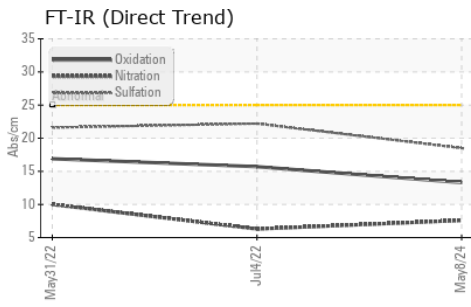
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>20	3	6	14
Potassium	ppm	ASTM D5185(m)	>20	10	14	21
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	0
Nitration	Abs/cm	ASTM D7624*	>20	7.6	6.3	10.0
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.5	22.2	21.6
Silt	scalar	Visual*	NONE	NONE	---	---
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	1	6
Boron	ppm	ASTM D5185(m)	2	73	317	46
Barium	ppm	ASTM D5185(m)	0	0	0	5
Molybdenum	ppm	ASTM D5185(m)	50	6	99	15
Manganese	ppm	ASTM D5185(m)	0	<1	<1	7
Magnesium	ppm	ASTM D5185(m)	950	704	514	723
Calcium	ppm	ASTM D5185(m)	1050	1276	1444	1395
Phosphorus	ppm	ASTM D5185(m)	995	658	862	786
Zinc	ppm	ASTM D5185(m)	1180	745	982	841
Sulfur	ppm	ASTM D5185(m)	2600	2415	2520	2565
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.3	15.7	16.9
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	10.9	13.2	10.4



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL
Lab Number : 02634506
Unique Number : 5775659
Test Package : MOB 1 (Additional Tests: Visual)

Received : 10 May 2024
Tested : 10 May 2024
Diagnosed : 10 May 2024 - Kevin Marson
 GFL Environmental - 731 - Granby - Hauling - Solid Waste
 140 Martin Street,
 Granby, QC
 CA J2G 8B4
 Contact: Simon Lambert
 slambert@matrec.ca
 T: (450)641-3070
 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.