



Machine Id
711037
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		GFL0120701	GFL0107518	GFL0088873
Sample Date		Client Info		10 Jun 2024	13 Feb 2024	09 Aug 2023
Machine Age	kms	Client Info		96684	5594	5002
Oil Age	kms	Client Info		0	0	600
Filter Age	kms	Client Info		0	0	600
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>120	12	11	11
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	0
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	<1	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	2	3	2
Lead	ppm	ASTM D5185(m)	>40	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>330	7	10	3
Tin	ppm	ASTM D5185(m)	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

Le test de glycol est négatif. Il n'y a aucun indice de contamination dans l'huile.

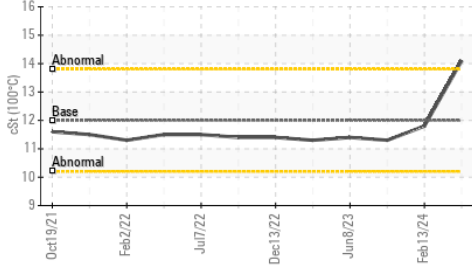
Silicon	ppm	ASTM D5185(m)	>25	4	5	4
Potassium	ppm	ASTM D5185(m)	>20	30	▲ 29	3
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol	%	ASTM D7922*		0.0	▲ 0.025	NEG
Soot %	%	ASTM D7844*	>4	0.4	0.3	0.3
Nitration	Abs/cm	ASTM D7624*	>20	11.0	9.0	8.0
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.9	21.2	20.5
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

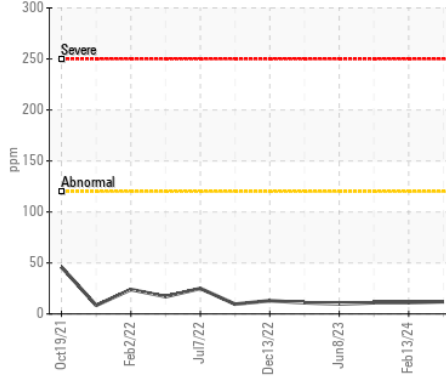
La viscosité de l'échantillon se situe dans la portée de l'SAE 40; nous vous conseillons de vérifier. Ceci, en plus des niveaux d'additifs, indique que la marque ou le type d'huile ne correspond pas à ce qui a été signalé. L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		119	● 89	5
Boron	ppm	ASTM D5185(m)	2	7	6	2
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	50	53	60	59
Manganese	ppm	ASTM D5185(m)	0	<1	0	<1
Magnesium	ppm	ASTM D5185(m)	950	544	885	986
Calcium	ppm	ASTM D5185(m)	1050	1487	1069	1121
Phosphorus	ppm	ASTM D5185(m)	995	651	940	1055
Zinc	ppm	ASTM D5185(m)	1180	875	1093	1212
Sulfur	ppm	ASTM D5185(m)	2600	1773	2445	2379
Oxidation	Abs/.1mm	ASTM D7414*	>25	20.3	16.1	16.6
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	▲ 14.1	11.8	11.3

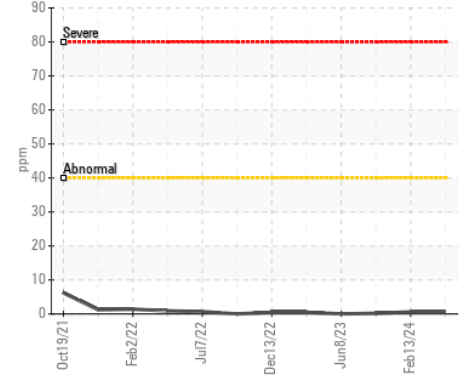
▲ Viscosity @ 100°C



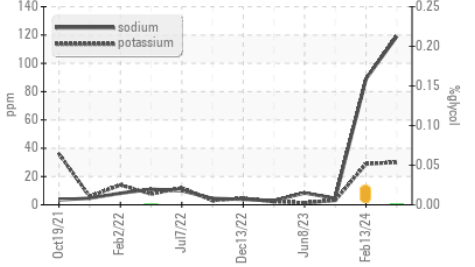
Iron (ppm)



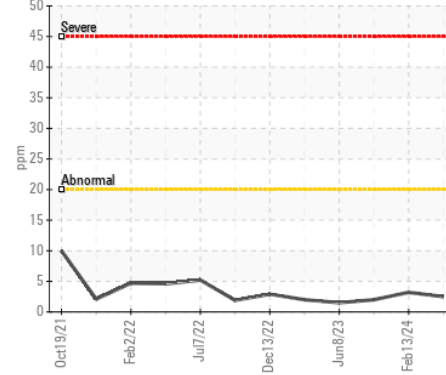
Lead (ppm)



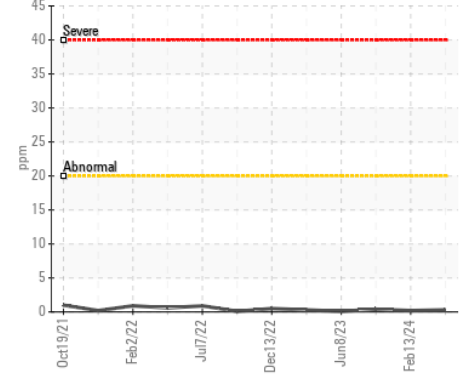
Glycol Contamination



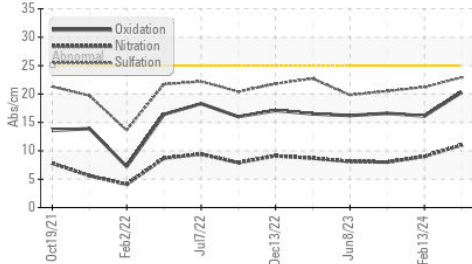
Aluminum (ppm)



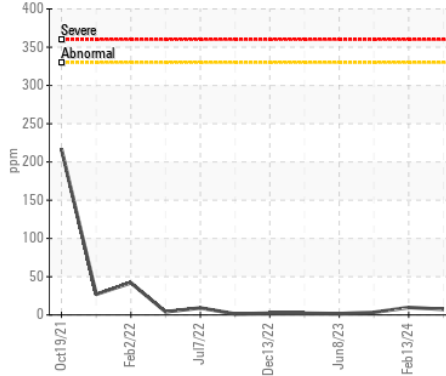
Chromium (ppm)



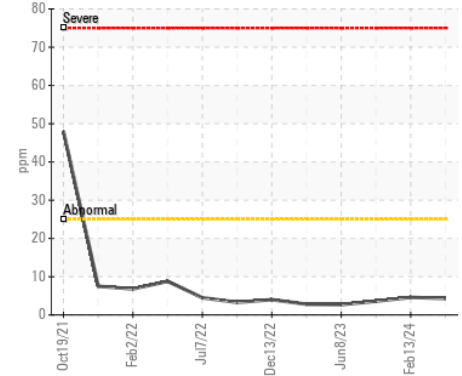
FT-IR (Direct Trend)



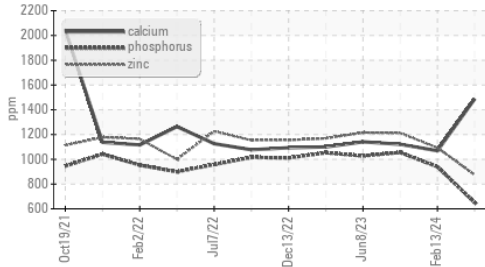
Copper (ppm)



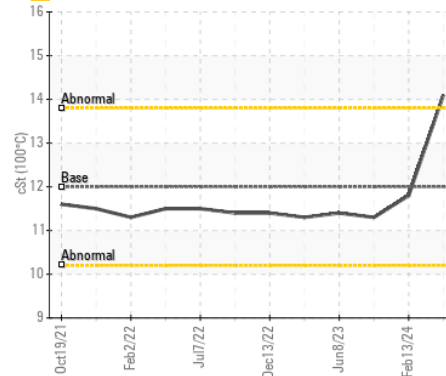
Silicon (ppm)



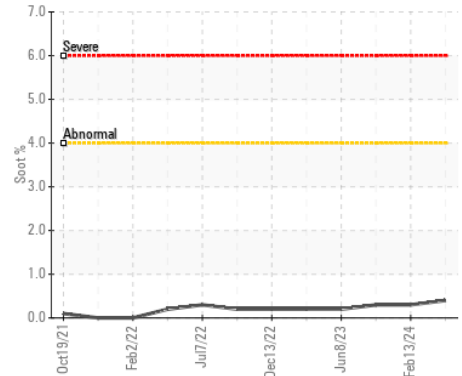
Additives



▲ Viscosity @ 100°C



Soot %



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0120701
Lab Number : 02643089
Unique Number : 5800628
Test Package : MOB 1 (Additional Tests: Glycol)

GFL Environmental - 747 - GMA - Solid Waste
 4 Chemin du Tremblay,
 Boucherville, QC
 CA J4B 6Z5
 Contact: Steve Voyer
 svoyer@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.

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F: