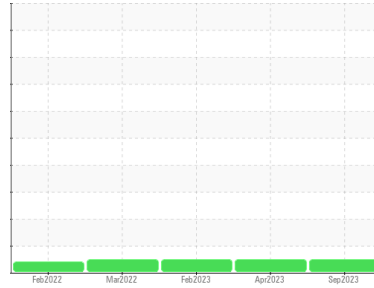




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
711028

Component
Diesel Engine

Fluid
PETRO CANADA DURON SHP 10W30 (--- GAL)

DIAGNOSIS

Recommendation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Veuillez préciser la marque et le modèle du composant lors du prochain échantillon.

Wear

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

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.

Fluid Condition

L'état de l'huile est acceptable pour la durée de service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	GFL0088861	GFL0073391	GFL0073447
Sample Date	Client Info	27 Sep 2023	27 Apr 2023	14 Feb 2023
Machine Age	hrs	0	3956	3559
Oil Age	hrs	600	600	600
Oil Changed	Client Info	Changed	Changed	N/A
Sample Status		NORMAL	NORMAL	NORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Fuel	WC Method >5	<1.0	<1.0	<1.0
Glycol	WC Method	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >100	14	7	11
Chromium	ppm ASTM D5185(m) >20	<1	<1	<1
Nickel	ppm ASTM D5185(m) >4	<1	<1	<1
Titanium	ppm ASTM D5185(m)	0	<1	<1
Silver	ppm ASTM D5185(m) >3	<1	0	0
Aluminum	ppm ASTM D5185(m) >20	4	2	5
Lead	ppm ASTM D5185(m) >40	1	<1	1
Copper	ppm ASTM D5185(m) >330	8	1	2
Tin	ppm ASTM D5185(m) >15	<1	<1	1
Antimony	ppm ASTM D5185(m)	0	0	0
Vanadium	ppm ASTM D5185(m)	0	0	0
Beryllium	ppm ASTM D5185(m)	0	0	0
Cadmium	ppm ASTM D5185(m)	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m) 2	3	2	3
Barium	ppm ASTM D5185(m) 0	<1	0	0
Molybdenum	ppm ASTM D5185(m) 50	64	59	60
Manganese	ppm ASTM D5185(m) 0	0	<1	<1
Magnesium	ppm ASTM D5185(m) 950	1051	977	954
Calcium	ppm ASTM D5185(m) 1050	1137	1112	1121
Phosphorus	ppm ASTM D5185(m) 995	1011	1051	1018
Zinc	ppm ASTM D5185(m) 1180	1282	1195	1191
Sulfur	ppm ASTM D5185(m) 2600	2247	2407	2344
Lithium	ppm ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >25	5	3	8
Sodium	ppm ASTM D5185(m)	9	4	4
Potassium	ppm ASTM D5185(m) >20	8	1	4

INFRA-RED

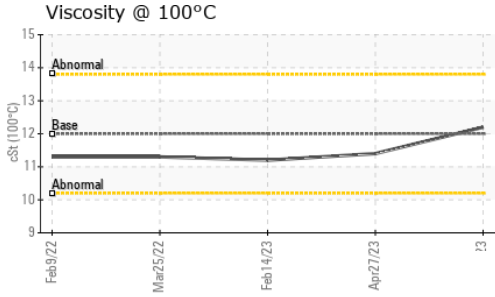
method	limit/base	current	history1	history2
Soot %	% ASTM D7844* >3	0.2	0.1	0.1
Nitration	Abs/cm ASTM D7624* >20	8.2	7.8	8.7
Sulfation	Abs/.1mm ASTM D7415* >30	20.3	19.6	21.4

FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm ASTM D7414* >25	16.2	15.7	15.9



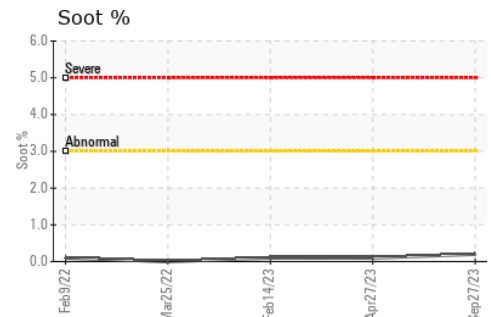
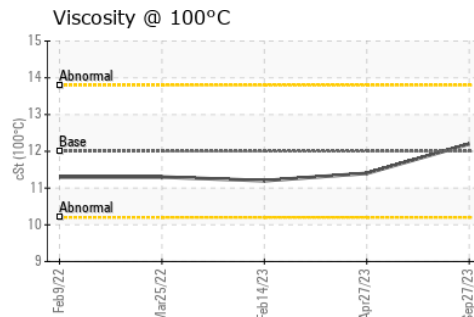
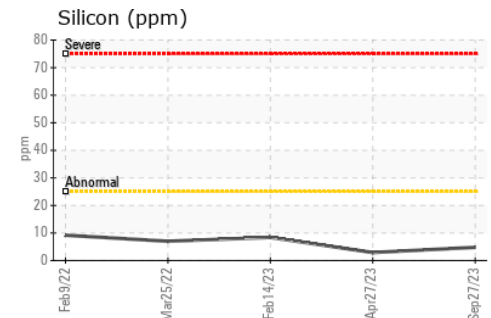
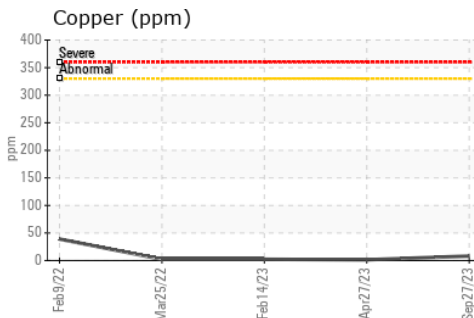
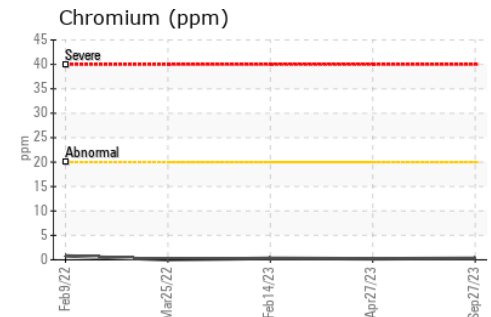
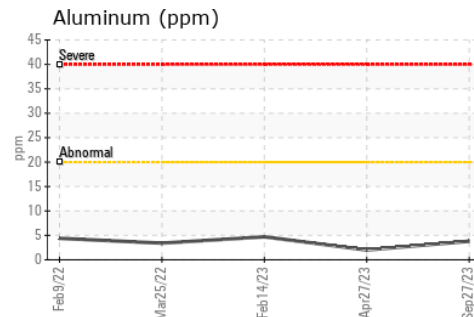
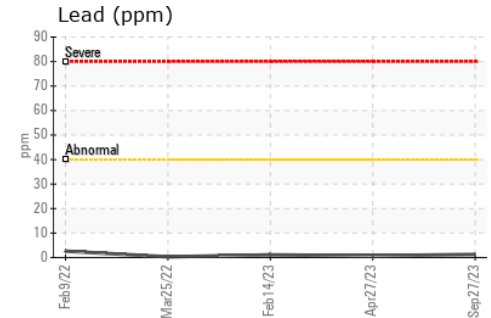
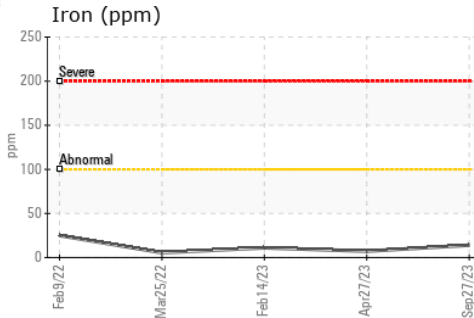
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	12.2	11.4	11.2

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 780 - GMA - ICI - Solid Waste
Sample No. : GFL0088861 **Received** : 03 Nov 2023 4365 boul. St-Elzear Ouest, Laval, QC
Lab Number : 02593872 **Diagnosed** : 03 Nov 2023 CA H7P 4J3
Unique Number : 5670951 **Diagnostician** : Wes Davis
Test Package : MOB 1

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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