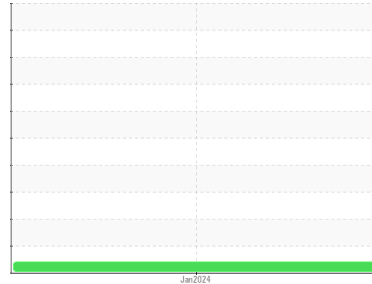




OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY



Machine Id
928126

Component
Diesel Engine

Fluid
DIESEL ENGINE OIL SAE 15W40 (--- LTR)

DIAGNOSIS

▲ Recommendation

Aucune mesure corrective n'est recommandée pour l'instant. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Wear

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

Contamination

La teneur en carburant est négligeable. Il n'y a aucun indice de contamination dans l'huile.

▲ Fluid Condition

La viscosité de l'échantillon se situe dans la portée de l'SAE 30; nous vous conseillons de vérifier. L'état de l'huile est acceptable pour la durée de service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GFL0079072	---	---
Sample Date	Client Info		16 Jan 2024	---	---
Machine Age	kms	Client Info	297344	---	---
Oil Age	kms	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ABNORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	---	---
Glycol	WC Method		NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>120	20	---
Chromium	ppm	ASTM D5185(m)	>20	1	---
Nickel	ppm	ASTM D5185(m)	>5	2	---
Titanium	ppm	ASTM D5185(m)	>2	0	---
Silver	ppm	ASTM D5185(m)	>2	<1	---
Aluminum	ppm	ASTM D5185(m)	>20	15	---
Lead	ppm	ASTM D5185(m)	>40	<1	---
Copper	ppm	ASTM D5185(m)	>330	2	---
Tin	ppm	ASTM D5185(m)	>15	0	---
Antimony	ppm	ASTM D5185(m)		0	---
Vanadium	ppm	ASTM D5185(m)		0	---
Beryllium	ppm	ASTM D5185(m)		0	---
Cadmium	ppm	ASTM D5185(m)		0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	250	8	---
Barium	ppm	ASTM D5185(m)	10	0	---
Molybdenum	ppm	ASTM D5185(m)	100	60	---
Manganese	ppm	ASTM D5185(m)		0	---
Magnesium	ppm	ASTM D5185(m)	450	916	---
Calcium	ppm	ASTM D5185(m)	3000	1054	---
Phosphorus	ppm	ASTM D5185(m)	1150	970	---
Zinc	ppm	ASTM D5185(m)	1350	1136	---
Sulfur	ppm	ASTM D5185(m)	4250	2730	---
Lithium	ppm	ASTM D5185(m)		<1	---

CONTAMINANTS

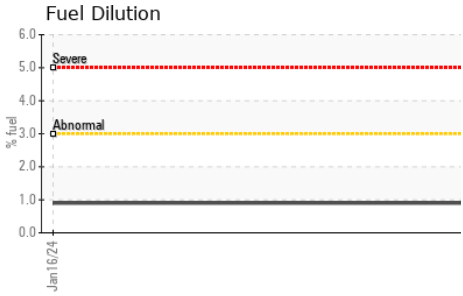
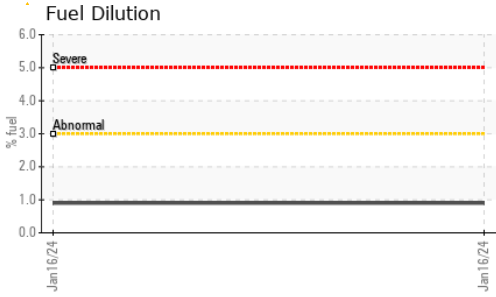
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	5	---
Sodium	ppm	ASTM D5185(m)	>158	3	---
Potassium	ppm	ASTM D5185(m)	>20	3	---
Fuel	%	ASTM D7593*	>3.0	0.9	---

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>4	0.4	---
Nitration	Abs/cm	ASTM D7624*	>20	9.6	---
Sulfation	Abs./1mm	ASTM D7415*	>30	19.2	---



OIL ANALYSIS REPORT



FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs./1mm ASTM D7414*	14.7	---	---

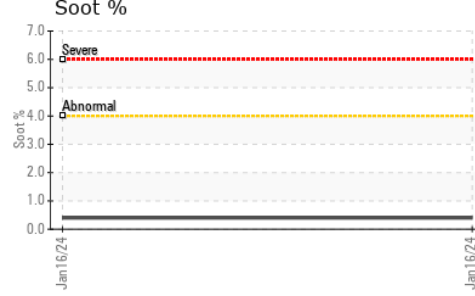
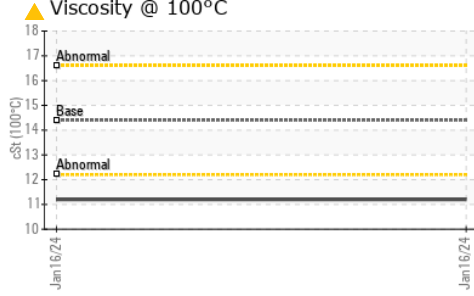
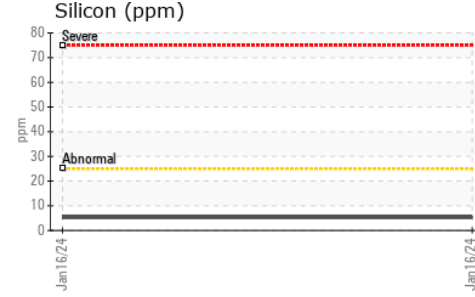
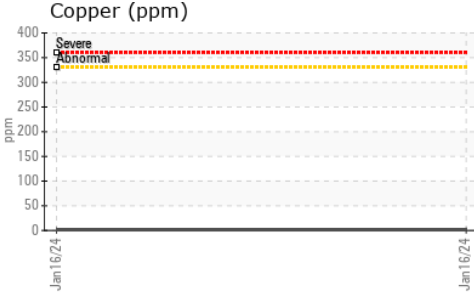
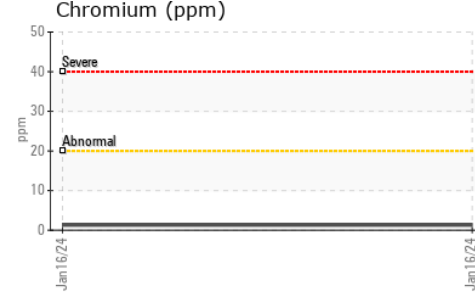
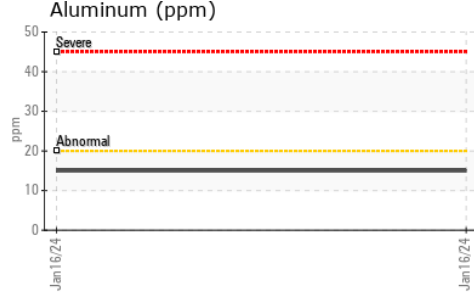
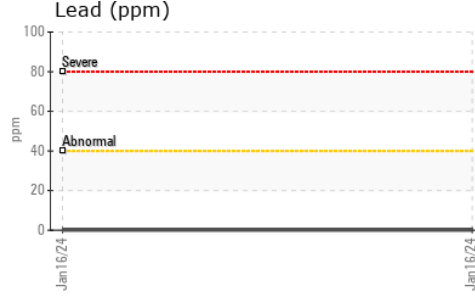
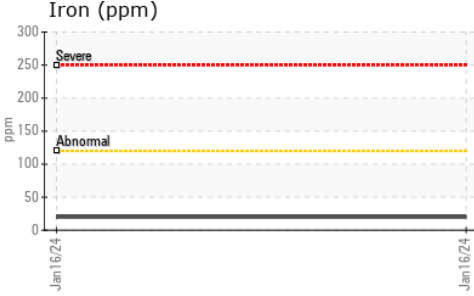
VISUAL

method	limit/base	current	history1	history2
Emulsified Water	scalar Visual*	NEG	---	---
Free Water	scalar Visual*	NEG	---	---

FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 100°C	cSt ASTM D7279(m)	▲ 11.2	---	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0079072 **Received** : 18 Jan 2024
Lab Number : **02609620** **Diagnosed** : 19 Jan 2024
Unique Number : 5710706 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel)

Matrec - 791 - Rimouski
 350 Avenue de L'Industrie
 Rimouski, QC
 CA G5M 1W4
 Contact: Vincent Maltais
 info@foretsstar.com
 T: 4(18)388-2626
 F: (418)388-2038

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.