



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
CAPLAN
 Machine Id
#813101
 Component
Front Diesel Engine
 Fluid
NOT GIVEN (30 LTR)



DIAGNOSIS

Recommendation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Le fluide n'était pas spécifié, toutefois, une comparaison avec d'autres fluides indiqua que ce fluide est du SAE 40 Diesel Engine Oil. Veuillez confirmer la viscosité de l'huile et veuillez préciser la marque de votre prochain échantillon.

Wear

Les taux de métaux sont typiques d'une première vidange.

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	history 1	history 2
Sample Number	Client Info	GFL0079108	---	---
Sample Date	Client Info	27 Jun 2023	---	---
Machine Age	hrs Client Info	585	---	---
Oil Age	hrs Client Info	585	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		NORMAL	---	---

CONTAMINATION

method	limit/base	current	history 1	history 2
Fuel	WC Method >3.0	<1.0	---	---
Glycol	WC Method	NEG	---	---

WEAR METALS

method	limit/base	current	history 1	history 2
Iron	ppm ASTM D5185(m) >90	45	---	---
Chromium	ppm ASTM D5185(m) >20	1	---	---
Nickel	ppm ASTM D5185(m) >2	<1	---	---
Titanium	ppm ASTM D5185(m) >2	<1	---	---
Silver	ppm ASTM D5185(m) >2	<1	---	---
Aluminum	ppm ASTM D5185(m) >20	22	---	---
Lead	ppm ASTM D5185(m) >40	<1	---	---
Copper	ppm ASTM D5185(m) >330	14	---	---
Tin	ppm ASTM D5185(m) >15	<1	---	---
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	history 1	history 2
Boron	ppm ASTM D5185(m)	33	---	---
Barium	ppm ASTM D5185(m)	5	---	---
Molybdenum	ppm ASTM D5185(m)	43	---	---
Manganese	ppm ASTM D5185(m)	8	---	---
Magnesium	ppm ASTM D5185(m)	587	---	---
Calcium	ppm ASTM D5185(m)	1591	---	---
Phosphorus	ppm ASTM D5185(m)	768	---	---
Zinc	ppm ASTM D5185(m)	880	---	---
Sulfur	ppm ASTM D5185(m)	1933	---	---
Lithium	ppm ASTM D5185(m)	<1	---	---

CONTAMINANTS

method	limit/base	current	history 1	history 2
Silicon	ppm ASTM D5185(m) >25	16	---	---
Sodium	ppm ASTM D5185(m)	5	---	---
Potassium	ppm ASTM D5185(m) >20	68	---	---

INFRA-RED

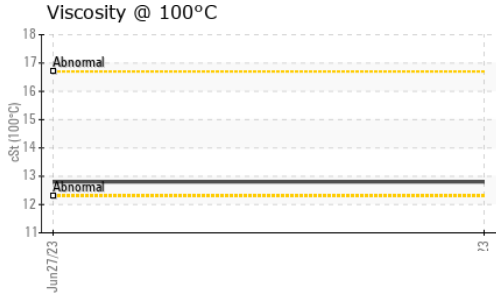
method	limit/base	current	history 1	history 2
Soot %	% ASTM D7844* >6	0.2	---	---
Nitration	Abs/cm ASTM D7624* >20	9.4	---	---
Sulfation	Abs/.1mm ASTM D7415* >30	22.6	---	---

FLUID DEGRADATION

method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm ASTM D7414* >25	21.5	---	---



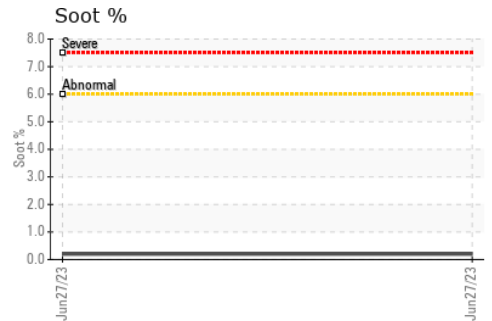
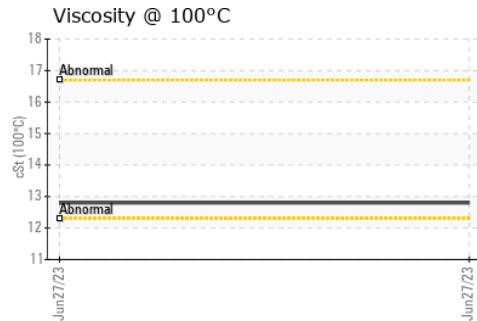
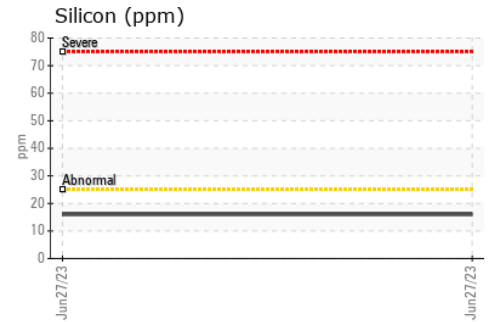
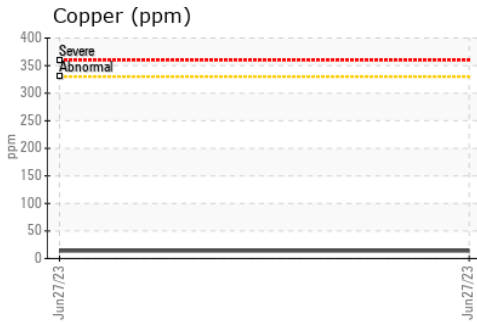
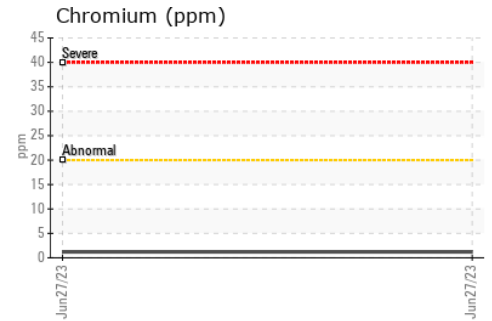
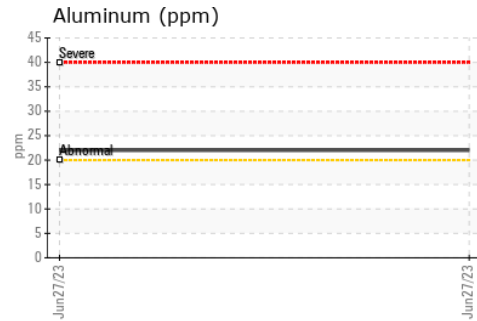
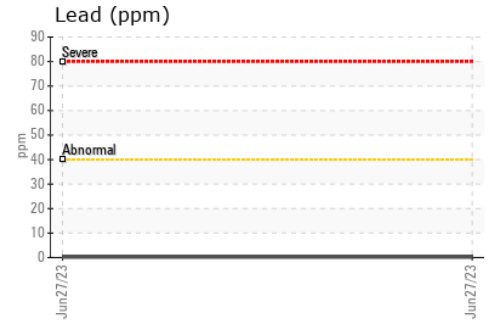
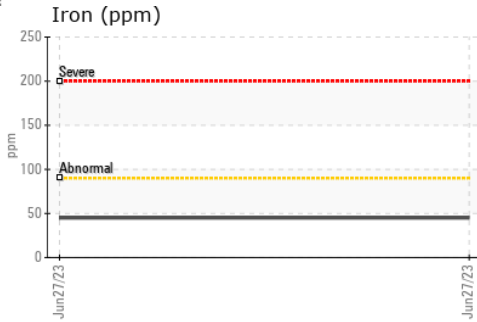
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history 1	history 2
Emulsified Water	scalar	Visual*	>0.2	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history 1	history 2
Visc @ 100°C	cSt	ASTM D7279(m)	12.8	---	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0079108 **Received** : 06 Jul 2023
Lab Number : **02568144** **Diagnosed** : 06 Jul 2023
Unique Number : 5605190 **Diagnostician** : Kevin Marson
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.

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