

Area
 GROUPE MASKA
 Machine Id
 MERCURY A112307
 Component
 Diesel Engine
 Fluid
 APRIL PRO 20W50 (--- GAL)

DIAGNOSIS

▲ Recommendation
 Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. 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.

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

Contamination
 Il n'y a aucun indice de contamination dans l'huile.

▲ Fluid Condition
 Le niveau de AN est supérieur à la limite recommandée. Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. l'huile ne peut plus être utilisée.

SAMPLE INFORMATION method limit/base current history1 history2

Sample Number	Client Info		ASF0000447	---	---
Sample Date	Client Info		23 May 2024	---	---
Machine Age	kms	Client Info	0	---	---
Oil Age	kms	Client Info	0	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			ABNORMAL	---	---

CONTAMINATION method limit/base current history1 history2

Fuel	WC Method	>5	<1.0	---	---
Water	WC Method	>0.2	NEG	---	---
Glycol	WC Method		NEG	---	---

WEAR METALS method limit/base current history1 history2

Iron	ppm	ASTM D5185(m)	>100	13	---	---
Chromium	ppm	ASTM D5185(m)	>20	<1	---	---
Nickel	ppm	ASTM D5185(m)	>4	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>3	0	---	---
Aluminum	ppm	ASTM D5185(m)	>20	1	---	---
Lead	ppm	ASTM D5185(m)	>40	11	---	---
Copper	ppm	ASTM D5185(m)	>330	1	---	---
Tin	ppm	ASTM D5185(m)	>15	<1	---	---
Antimony	ppm	ASTM D5185(m)		<1	---	---
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)		9	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		15	---	---
Manganese	ppm	ASTM D5185(m)		<1	---	---
Magnesium	ppm	ASTM D5185(m)		74	---	---
Calcium	ppm	ASTM D5185(m)		1352	---	---
Phosphorus	ppm	ASTM D5185(m)		2560	---	---
Zinc	ppm	ASTM D5185(m)		2983	---	---
Sulfur	ppm	ASTM D5185(m)		5624	---	---
Lithium	ppm	ASTM D5185(m)		<1	---	---

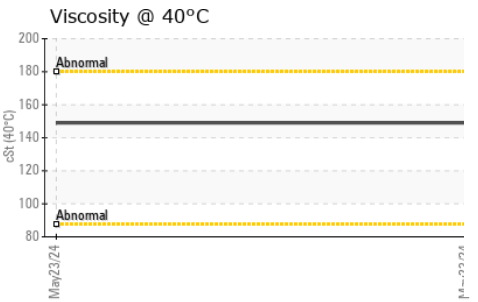
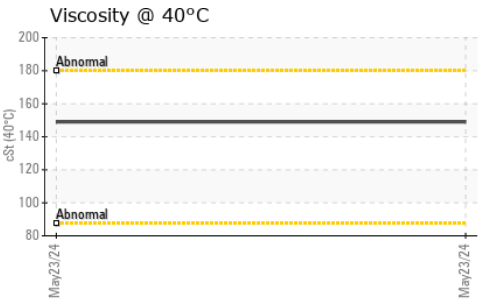
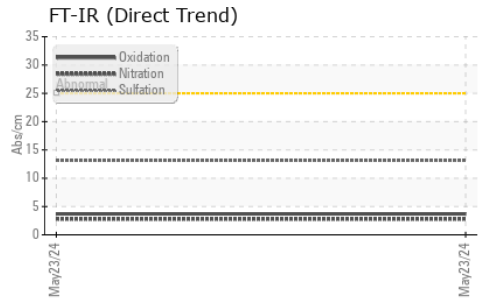
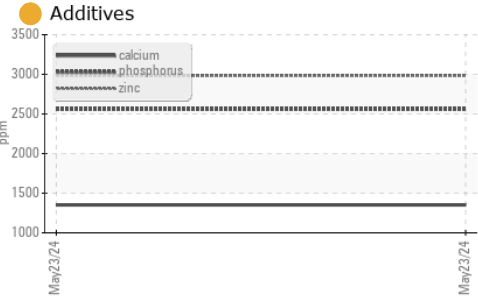
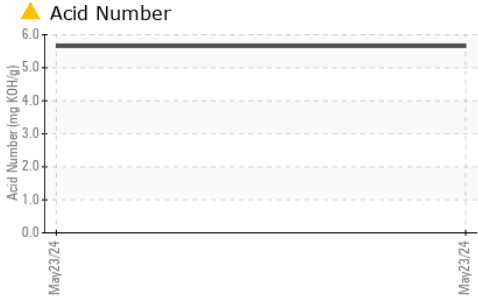
CONTAMINANTS method limit/base current history1 history2

Silicon	ppm	ASTM D5185(m)	>25	5	---	---
Sodium	ppm	ASTM D5185(m)		2	---	---
Potassium	ppm	ASTM D5185(m)	>20	2	---	---

INFRA-RED method limit/base current history1 history2

Soot %	%	ASTM D7844*	>3	0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	2.8	---	---
Sulfation	Abs./1mm	ASTM D7415*	>30	13.1	---	---

OIL ANALYSIS REPORT

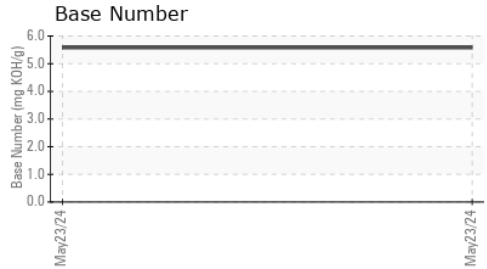
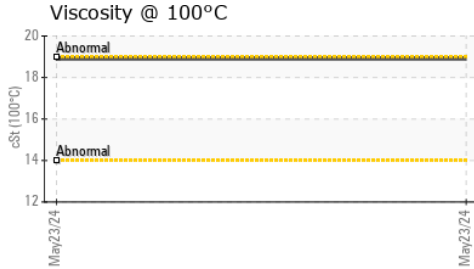
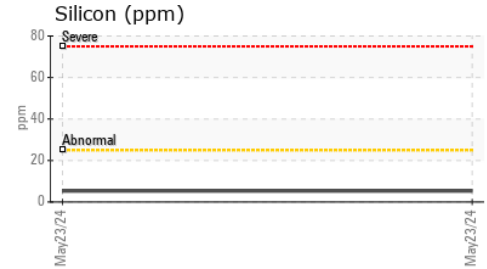
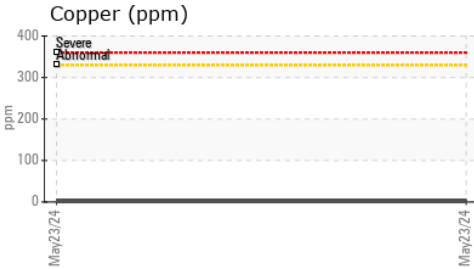
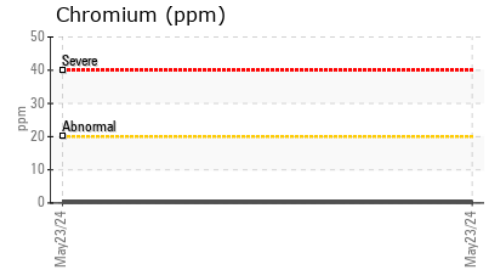
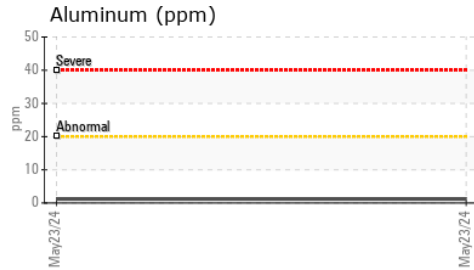
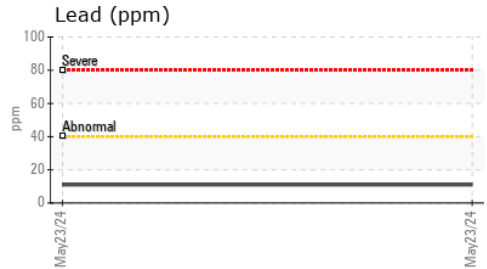
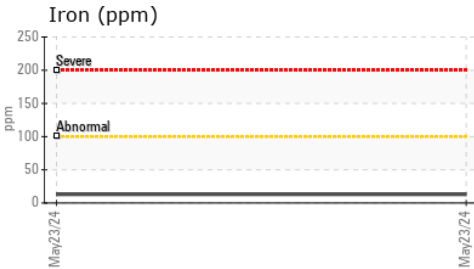


FLUID DEGRADATION	method	limit/base	current	history1	history2	
Oxidation	Abs./1mm	ASTM D7414*	>25	3.7	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*		▲ 5.65	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		5.58	---	---

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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)		149	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		18.9	---	---
Viscosity Index (VI)	Scale	ASTM D2270*		143	---	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : ASF0000447 **Received** : 28 Jun 2024
Lab Number : **02644510** **Tested** : 28 Jun 2024
Unique Number : 5802049 **Diagnosed** : 28 Jun 2024 - Bill Quesnel
Test Package : MOB 2 (Additional Tests: KV40, TAN Auto, TAN Man, VI)

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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