



# RAPPORT D'ANALYSE D'HUILE

USURE	<b>NORMAL</b>
CONTAMINATION	<b>SÉVÈRE</b>
ÉTAT DU FLUIDE	<b>ANORMAL</b>

Secteur  
**PSPC [99783]**  
 Identité de la machine  
**ASHTON**  
 Composant  
**Moteur diesel**  
 Fluide  
**VALVOLINE 15W40 (--- GAL)**

## RECOMMENDATION

We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>CU0019814</b>	---	---
Date d'échant.		Client Info		<b>23 Jun 2023</b>	---	---
Âge d la Machine	hrs	Client Info		<b>1057</b>	---	---
Âge de l'huile	hrs	Client Info		<b>105</b>	---	---
Âge du filtre	hrs	Client Info		<b>105</b>	---	---
Huile changée		Client Info		<b>Changed</b>	---	---
Filtre changé		Client Info		<b>Changed</b>	---	---
Statut de l'échant.				<b>SEVERE</b>	---	---

## USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>90	<b>3</b>	---	---
Chrome	ppm	ASTM D5185(m)	>20	<b>0</b>	---	---
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	---	---
Titane	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	---	---
Argent	ppm	ASTM D5185(m)	>2	<b>0</b>	---	---
Aluminium	ppm	ASTM D5185(m)	>20	<b>1</b>	---	---
Plomb	ppm	ASTM D5185(m)	>40	<b>0</b>	---	---
Cuivre	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	---	---
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---

## CONTAMINATION

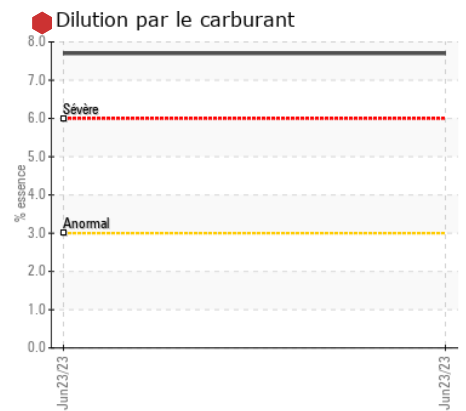
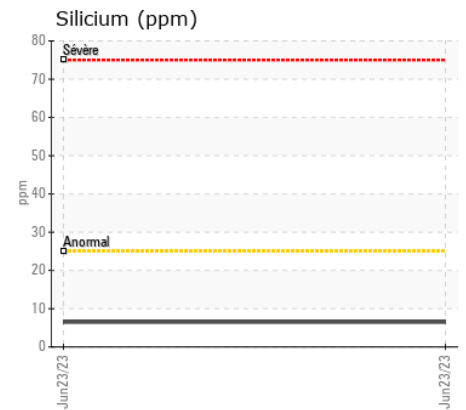
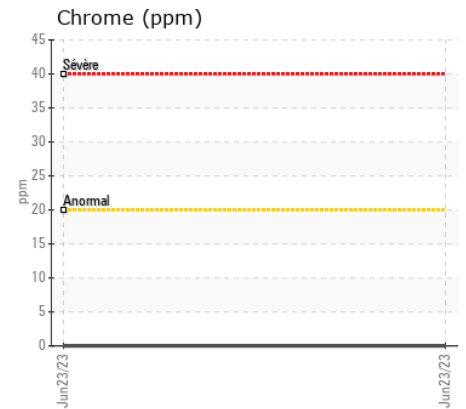
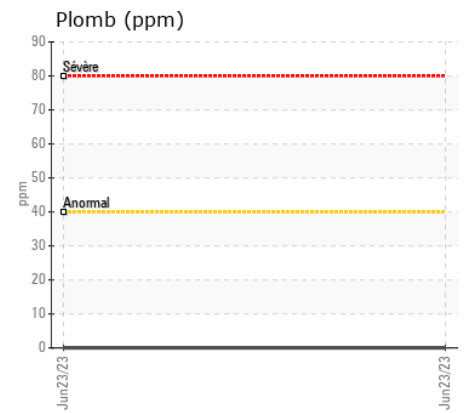
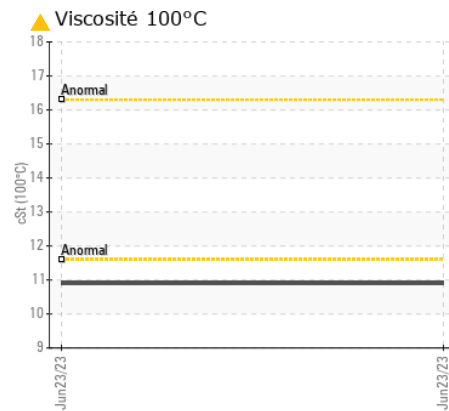
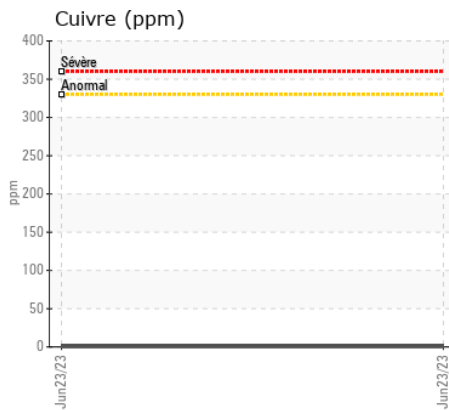
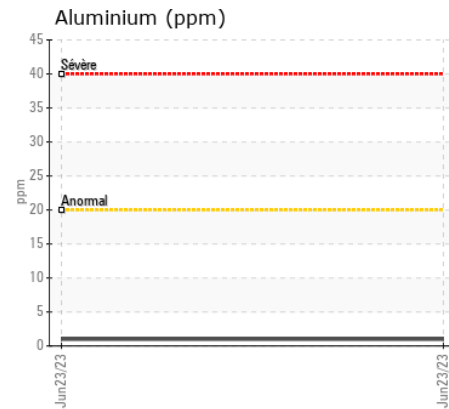
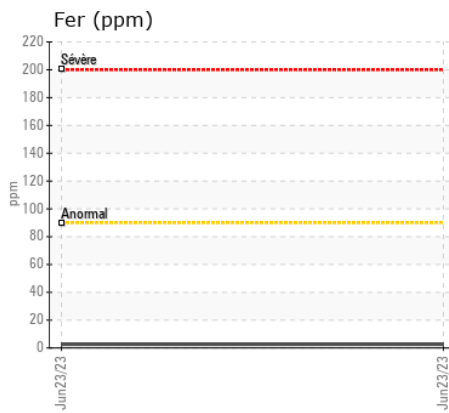
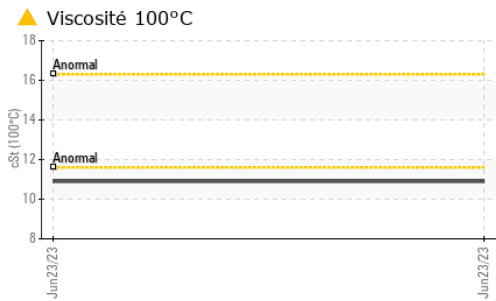
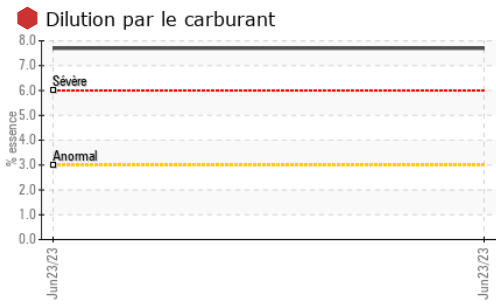
There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>6</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Essence	%	ASTM D7593*	>3.0	<b>7.7</b>	---	---
Glycol		WC Method		<b>NEG</b>	---	---
% de suie	%	ASTM D7844*	>6	<b>0</b>	---	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>6.4</b>	---	---
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>19.5</b>	---	---
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	---	---

## ÉTAT DU FLUIDE

Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185(m)		<b>4</b>	---	---
Bore	ppm	ASTM D5185(m)		<b>43</b>	---	---
Baryum	ppm	ASTM D5185(m)		<b>0</b>	---	---
Molybdène	ppm	ASTM D5185(m)		<b>41</b>	---	---
Manganèse	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Magnésium	ppm	ASTM D5185(m)		<b>664</b>	---	---
Calcium	ppm	ASTM D5185(m)		<b>1189</b>	---	---
Phosphore	ppm	ASTM D5185(m)		<b>755</b>	---	---
Zinc	ppm	ASTM D5185(m)		<b>805</b>	---	---
Soufre	ppm	ASTM D5185(m)		<b>1977</b>	---	---
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>15.8</b>	---	---
Visc 100°C	cSt	ASTM D7279(m)		<b>10.9</b>	---	---



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : CU0019814  
**N° de laboratoire** : 02566806  
**Numéro unique** : 5603852  
**Analyse** : MOB 1 ( Additional Tests: FuelDilution, PercentFuel )

**CUMMINS EASTERN CANADA LP**  
 3189 SWANSEA CRESCENT  
 OTTAWA, ON  
 CA K1G 3W5  
 Contact: Max Lauzon  
 max.lauzon@cummins.com

**Reçu** : 28 Jun 2023  
**Diagnostiqueur** : Wes Davis  
**Diagnostique** : 29 Jun 2023  
 Pour discuter ce rapport, contacter le service à la clientèle au 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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