



# RAPPORT D'ANALYSE D'HUILE

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

Secteur  
**PWGSC [99892]**  
 Identité de la machine  
**16287**

Composant  
**Moteur diesel**  
 Fluide  
**DIESEL ENGINE OIL SAE 15W40 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>CU0020709</b>	CU0018913	---
Date d'échant.		Client Info		<b>15 Oct 2023</b>	26 Sep 2022	---
Âge d la Machine	hrs	Client Info		<b>1004</b>	987	---
Âge de l'huile	hrs	Client Info		<b>0</b>	0	---
Âge du filtre	hrs	Client Info		<b>0</b>	0	---
Huile changée		Client Info		<b>N/A</b>	Changed	---
Filtre changé		Client Info		<b>N/A</b>	Changed	---
Statut de l'échant.				<b>NORMAL</b>	NORMAL	---

## USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	<b>3</b>	4	---
Chrome	ppm	ASTM D5185(m)	>20	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	0	---
Titane	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Argent	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	0	---
Aluminium	ppm	ASTM D5185(m)	>20	<b>1</b>	1	---
Plomb	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	<1	---
Cuivre	ppm	ASTM D5185(m)	>330	<b>1</b>	2	---
Étain	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Métal blanc	scalar	Visual*	NONE	<b>NONE</b>	---	---
Bronze	scalar	Visual*	NONE	<b>NONE</b>	---	---

## CONTAMINATION

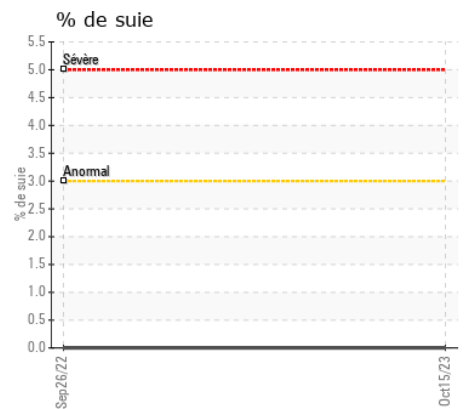
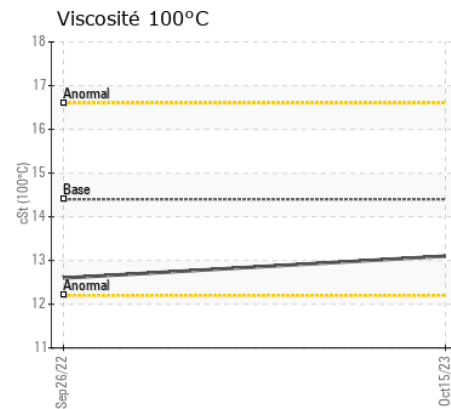
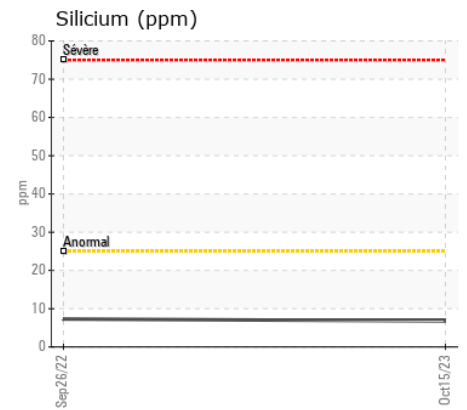
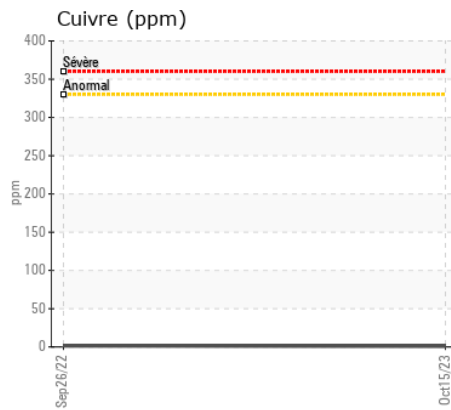
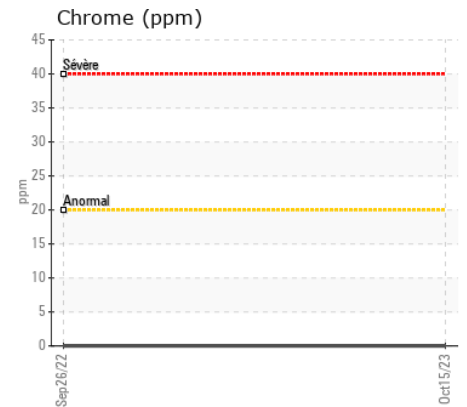
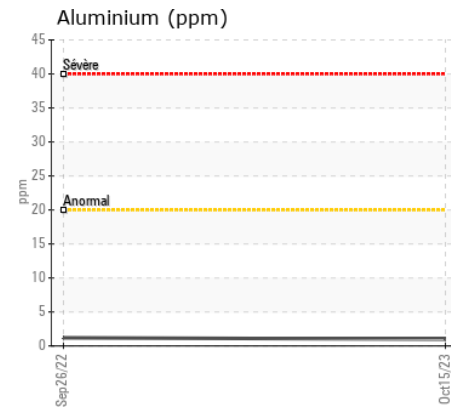
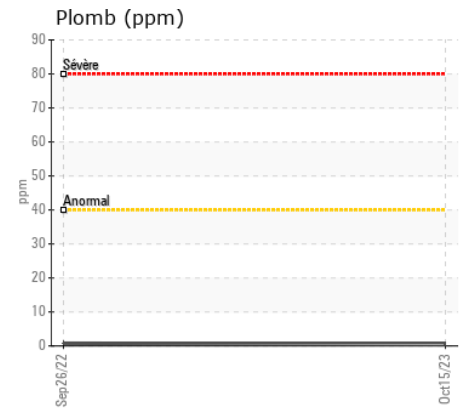
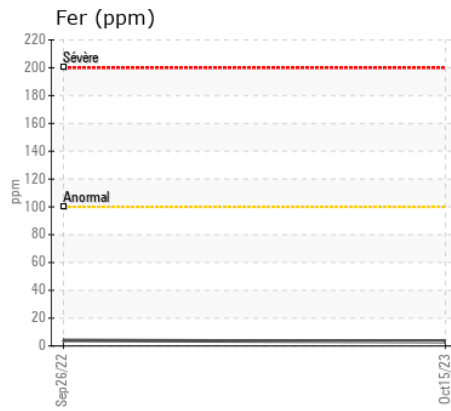
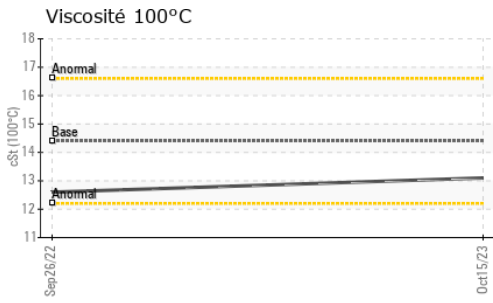
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>7</b>	7	---
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	---
Essence		WC Method	>5	<b>&lt;1.0</b>	<1.0	---
Glycol		WC Method		<b>NEG</b>	NEG	---
% de suie	%	ASTM D7844*	>3	<b>0</b>	0	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>6.8</b>	6.8	---
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>19.9</b>	20.1	---
Limon	scalar	Visual*	NONE	<b>NONE</b>	---	---
Débris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Saleté	scalar	Visual*	NONE	<b>NONE</b>	---	---
Apparence	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odeur	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	NEG	---

## ÉTAT DU FLUIDE

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)	>158	<b>4</b>	3	---
Bore	ppm	ASTM D5185(m)	250	<b>59</b>	70	---
Baryum	ppm	ASTM D5185(m)	10	<b>&lt;1</b>	0	---
Molybdène	ppm	ASTM D5185(m)	100	<b>52</b>	41	---
Manganèse	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Magnésium	ppm	ASTM D5185(m)	450	<b>843</b>	633	---
Calcium	ppm	ASTM D5185(m)	3000	<b>1419</b>	1342	---
Phosphore	ppm	ASTM D5185(m)	1150	<b>831</b>	827	---
Zinc	ppm	ASTM D5185(m)	1350	<b>973</b>	877	---
Soufre	ppm	ASTM D5185(m)	4250	<b>2335</b>	2435	---
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>16.7</b>	16.3	---
Visc 100°C	cSt	ASTM D7279(m)	14.4	<b>13.1</b>	12.6	---



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : CU0020709  
**N° de laboratoire** : 02593012  
**Numéro unique** : 5670091  
**Analyse** : MOB 1 ( Additional Tests: Visual )

**CUMMINS EASTERN CANADA LP**  
 3189 SWANSEA CRESCENT  
 OTTAWA, ON  
 CA K1G 3W5  
 Contact: Cindy Harrison  
 cindy.harrison@cummins.com

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.

La validez de los resultados y la interpretación se basan en la muestra y la información proporcionada.

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F: x: