



RAPPORT D'ANALYSE D'HUILE

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

Secteur

**BELL [50506]**

Identité de la machine

**I060967890**

Composant

**Moteur diesel**

Fluid

**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>CU0022203</b>	CU0018127	CU0017214
Date d'échant.		Client Info		<b>04 Jun 2024</b>	13 Jun 2022	22 Oct 2020
Âge d la Machine	hrs	Client Info		<b>0</b>	282	216
Âge de l'huile	hrs	Client Info		<b>0</b>	0	0
Âge du filtre	hrs	Client Info		<b>0</b>	0	0
Huile changée		Client Info		<b>N/A</b>	N/A	Not Changd
Filtre changé		Client Info		<b>N/A</b>	N/A	Not Changd
Statut de l'échant.				<b>ABNORMAL</b>	NORMAL	NORMAL

**USURE**

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>90	<b>3</b>	3	2
Chrome	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Titane	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	<1
Argent	ppm	ASTM D5185(m)	>2	<b>0</b>	0	<1
Aluminium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Plomb	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	<1	<1
Cuivre	ppm	ASTM D5185(m)	>330	<b>5</b>	6	1
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Métal blanc	scalar	Visual*	NONE	<b>VLITE</b>	NONE	---
Bronze	scalar	Visual*	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

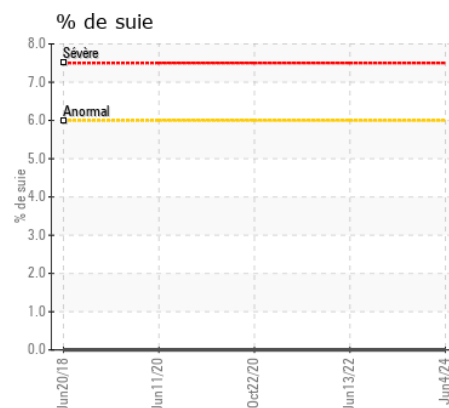
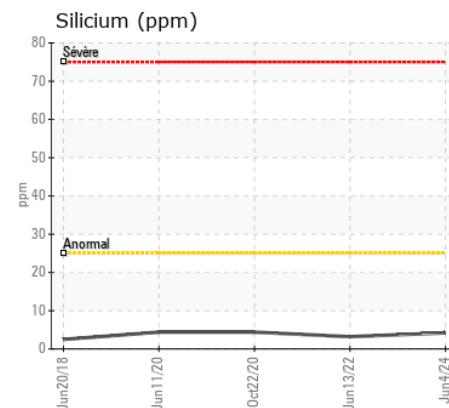
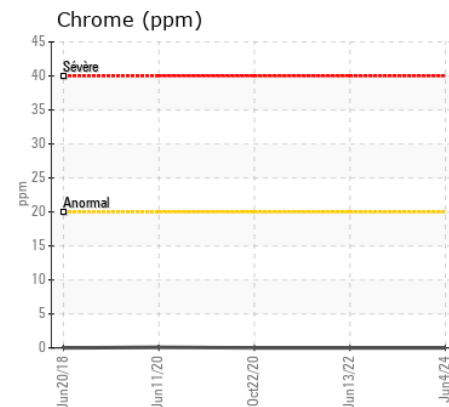
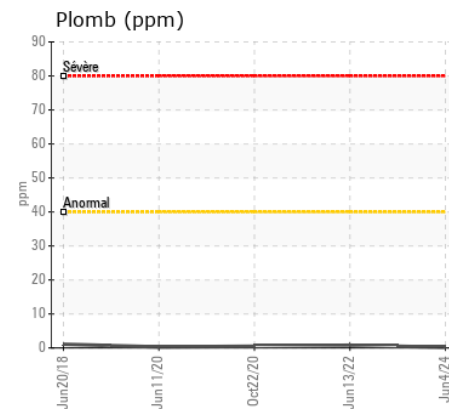
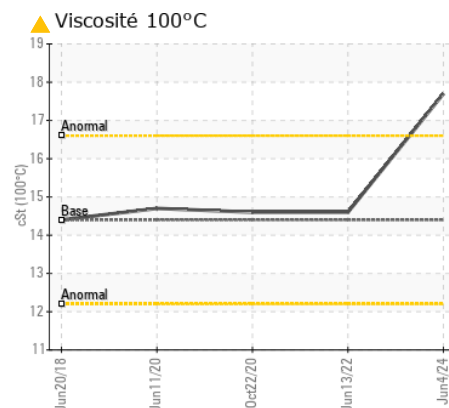
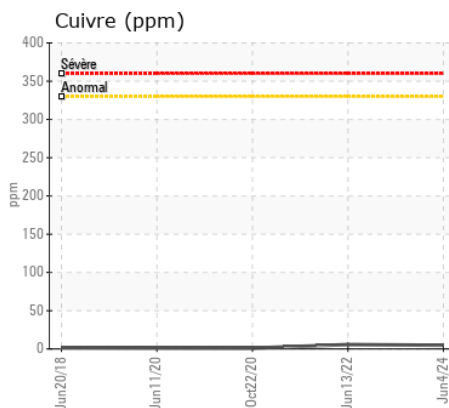
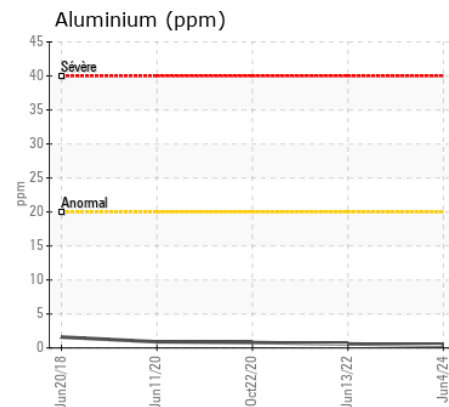
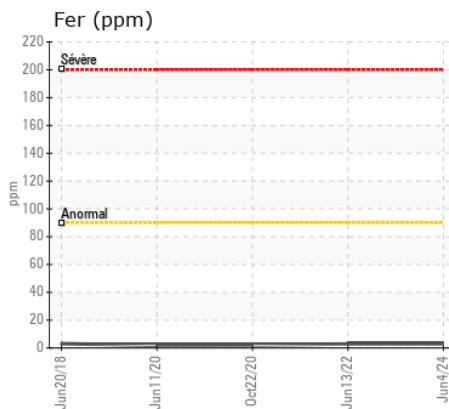
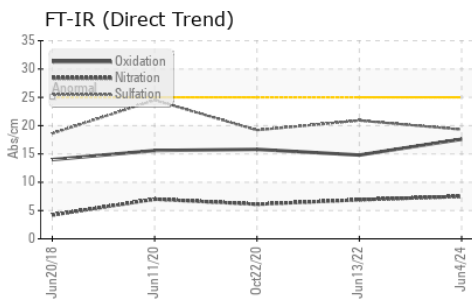
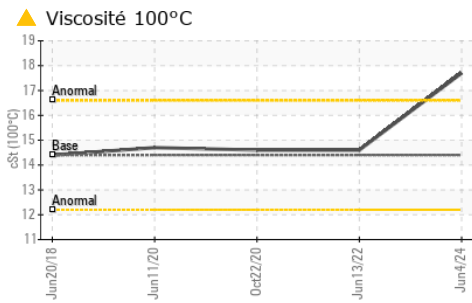
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>4</b>	3	4
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Essence		WC Method	>3.0	<b>&lt;1.0</b>	<1.0	<1.0
L'eau		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
% de suie	%	ASTM D7844*	>6	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.5</b>	6.9	6.1
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>19.3</b>	20.9	19.2
Limon	scalar	Visual*	NONE	<b>VLITE</b>	NONE	---
Débris	scalar	Visual*	NONE	<b>VLITE</b>	NONE	---
Saleté	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Apparence	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odeur	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

**ÉTAT DU FLUIDE**

Viscosity of sample indicates oil is within SAE 50 range, advise investigate. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)	>158	<b>4</b>	4	4
Bore	ppm	ASTM D5185(m)	250	<b>62</b>	61	61
Baryum	ppm	ASTM D5185(m)	10	<b>0</b>	0	0
Molybdène	ppm	ASTM D5185(m)	100	<b>49</b>	45	43
Manganèse	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	450	<b>716</b>	593	585
Calcium	ppm	ASTM D5185(m)	3000	<b>1553</b>	1510	1394
Phosphore	ppm	ASTM D5185(m)	1150	<b>890</b>	985	956
Zinc	ppm	ASTM D5185(m)	1350	<b>1204</b>	1150	1165
Soufre	ppm	ASTM D5185(m)	4250	<b>2460</b>	2999	2621
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>17.6</b>	14.8	15.8
Visc 100°C	cSt	ASTM D7279(m)	14.4	<b>▲ 17.7</b>	14.6	14.6



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : CU0022203  
**N° de laboratoire** : 02639746  
**Numéro unique** : 5788908  
**Analyse** : MOB 1 ( Additional Tests: Visual )

**CUMMINS EASTERN CANADA INC.**  
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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.