



RAPPORT D'ANALYSE D'HUILE

USURE	ANORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Secteur
[204566]
 Identité de la machine
29240

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

RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 15W40. Please confirm.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		CU0020984	---	---
Date d'échant.		Client Info		05 Sep 2023	---	---
Âge d la Machine	hrs	Client Info		0	---	---
Âge de l'huile	hrs	Client Info		0	---	---
Âge du filtre	hrs	Client Info		0	---	---
Huile changée		Client Info		N/A	---	---
Filtre changé		Client Info		N/A	---	---
Statut de l'échant.				ABNORMAL	---	---

USURE

Aluminum ppm levels are abnormal. Piston wear is indicated.

Fer	ppm	ASTM D5185(m)	>75	31	---	---
Chrome	ppm	ASTM D5185(m)	>5	<1	---	---
Nickel	ppm	ASTM D5185(m)	>4	0	---	---
Titane	ppm	ASTM D5185(m)	>2	0	---	---
Argent	ppm	ASTM D5185(m)	>2	0	---	---
Aluminium	ppm	ASTM D5185(m)	>15	▲ 19	---	---
Plomb	ppm	ASTM D5185(m)	>25	7	---	---
Cuivre	ppm	ASTM D5185(m)	>100	4	---	---
Étain	ppm	ASTM D5185(m)	>4	4	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

There is no indication of any contamination in the oil.

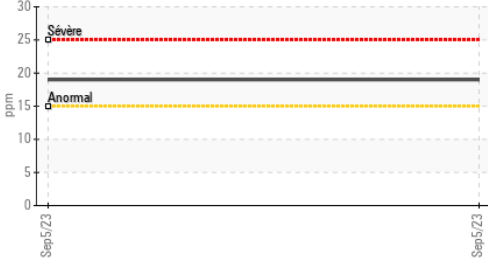
Silicium	ppm	ASTM D5185(m)	>25	6	---	---
Potassium	ppm	ASTM D5185(m)	>20	3	---	---
Essence		WC Method	>3.0	<1.0	---	---
Glycol		WC Method		NEG	---	---
% de suie	%	ASTM D7844*	>6	0.5	---	---
Nitration	Abs/cm	ASTM D7624*	>20	9.4	---	---
Sulfatation	Abs/.1mm	ASTM D7415*	>30	22.7	---	---
Eau émulsifiée	scalar	Visual*	>0.2	NEG	---	---

ÉTAT DU FLUIDE

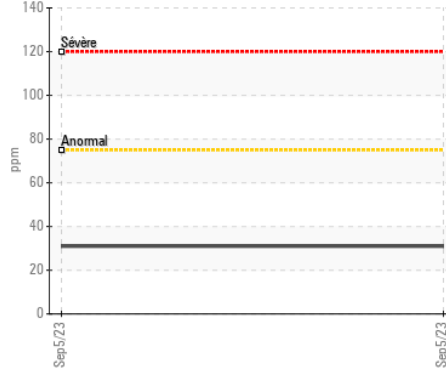
The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185(m)	>158	4	---	---
Bore	ppm	ASTM D5185(m)	250	5	---	---
Baryum	ppm	ASTM D5185(m)	10	0	---	---
Molybdène	ppm	ASTM D5185(m)	100	58	---	---
Manganèse	ppm	ASTM D5185(m)		<1	---	---
Magnésium	ppm	ASTM D5185(m)	450	944	---	---
Calcium	ppm	ASTM D5185(m)	3000	1033	---	---
Phosphore	ppm	ASTM D5185(m)	1150	1016	---	---
Zinc	ppm	ASTM D5185(m)	1350	1173	---	---
Soufre	ppm	ASTM D5185(m)	4250	2444	---	---
Oxydation	Abs/.1mm	ASTM D7414*	>25	17.4	---	---
Visc 40°C	cSt	ASTM D7279(m)	115	95.1	---	---
Visc 100°C	cSt	ASTM D7279(m)	14.4	13.3	---	---
Indice de viscosité (VI)	Scale	ASTM D2270*	126	139	---	---

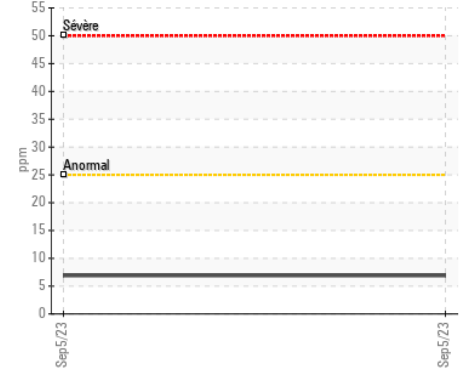
▲ Aluminium (ppm)



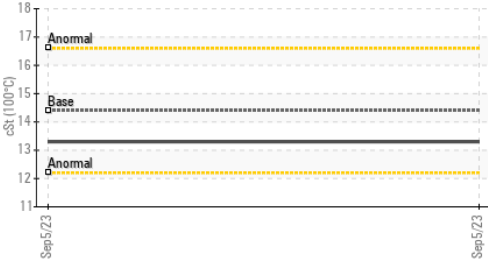
Fer (ppm)



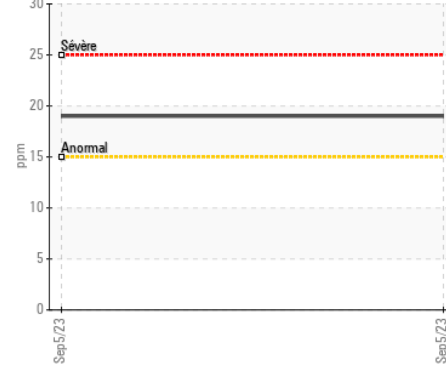
Plomb (ppm)



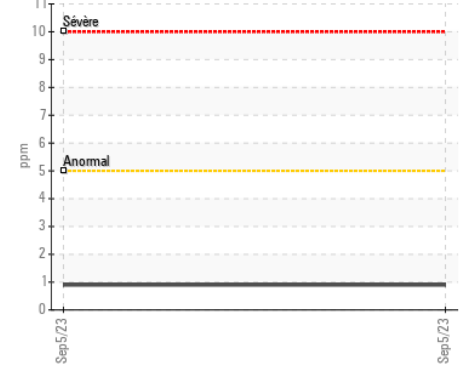
Viscosité 100°C



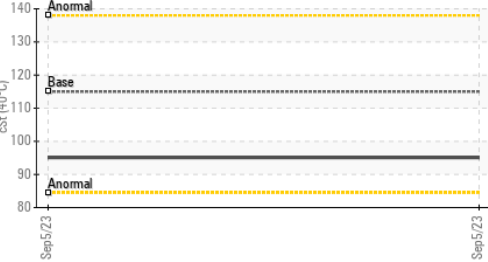
▲ Aluminium (ppm)



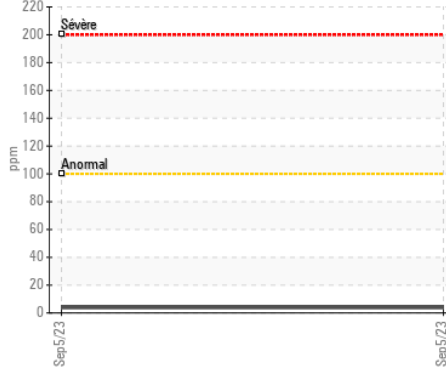
Chrome (ppm)



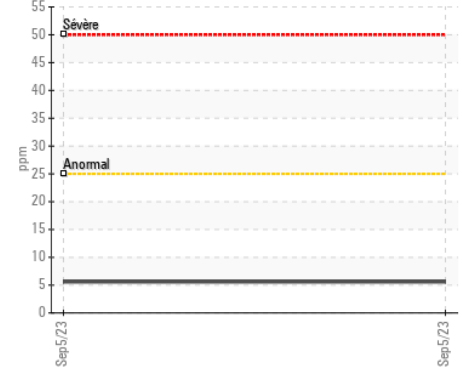
Viscosité 40°C



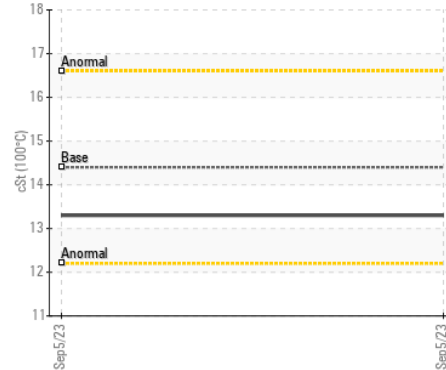
Cuivre (ppm)



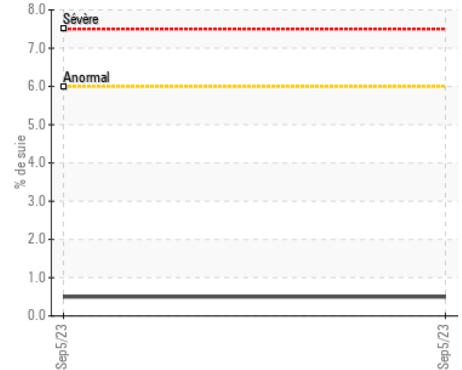
Silicium (ppm)



Viscosité 100°C



% de suie



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Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : CU0020984 **Reçu** : 07 Sep 2023
N° de laboratoire : 02580839 **Diagnostiqué** : 07 Sep 2023
Numéro unique : 5641904 **Diagnostiqueur** : Kevin Marson
Analyse : MOB 1 (Additional Tests: KV40, VI)

CUMMINS CANADA ULC
 7200 TRANS CANADA HWY.
 POINTE CLAIRE, QC
 CA H9R 1C2
 Contact: Karelle Paradis
 karelle.paradis@cummins.com
 T: (514)695-8410
 F: (514)695-5246

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.