



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Secteur
PWGSC [99893]
 Identité de la machine
33168742
 Composant
Moteur diesel
 Fluide
VALVOLINE 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		CU0019813	CU0018592	CU0015127
Date d'échant.		Client Info		16 Oct 2023	14 Oct 2021	16 Sep 2019
Âge d la Machine	hrs	Client Info		248	194	167
Âge de l'huile	hrs	Client Info		0	0	0
Âge du filtre	hrs	Client Info		0	0	0
Huile changée		Client Info		N/A	Changed	Changed
Filtre changé		Client Info		N/A	Changed	Changed
Statut de l'échant.				NORMAL	NORMAL	NORMAL

USURE

Metal levels are typical for a new component breaking in.

Fer	ppm	ASTM D5185(m)	>65	2	2	2
Chrome	ppm	ASTM D5185(m)	>3	0	0	<1
Nickel	ppm	ASTM D5185(m)	>2	0	<1	<1
Titane	ppm	ASTM D5185(m)	>2	0	<1	<1
Argent	ppm	ASTM D5185(m)	>2	0	0	<1
Aluminium	ppm	ASTM D5185(m)	>6	1	<1	<1
Plomb	ppm	ASTM D5185(m)	>13	<1	<1	0
Cuivre	ppm	ASTM D5185(m)	>65	<1	<1	<1
Étain	ppm	ASTM D5185(m)	>2	0	<1	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Métal blanc	scalar	Visual*	NONE	NONE	---	---
Bronze	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

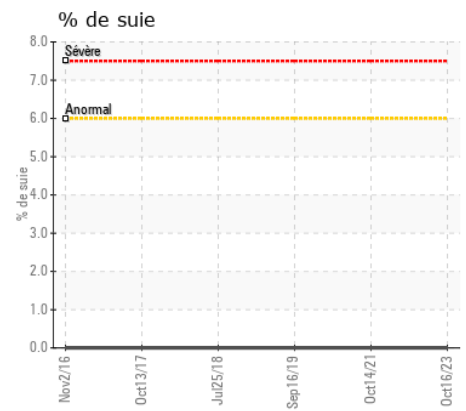
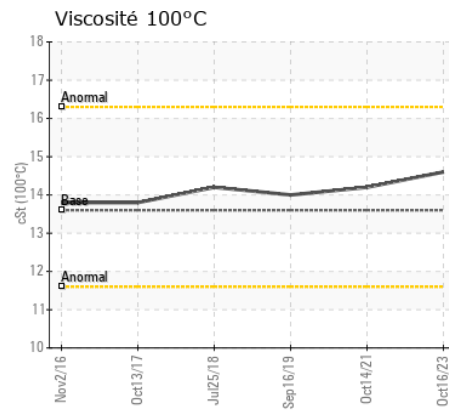
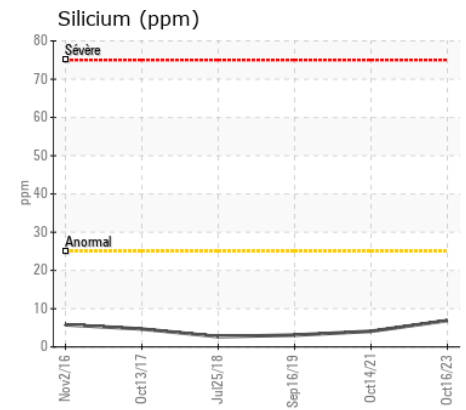
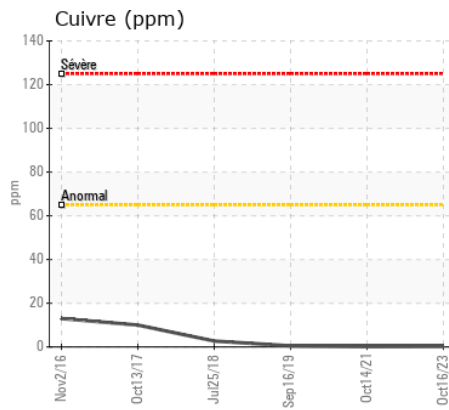
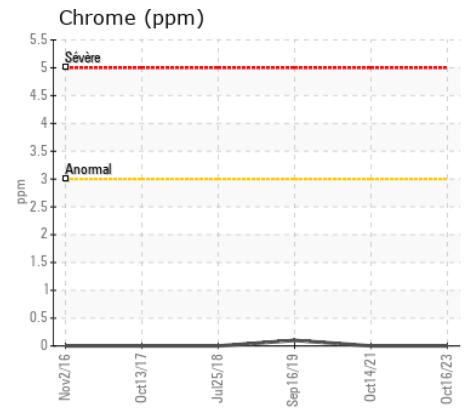
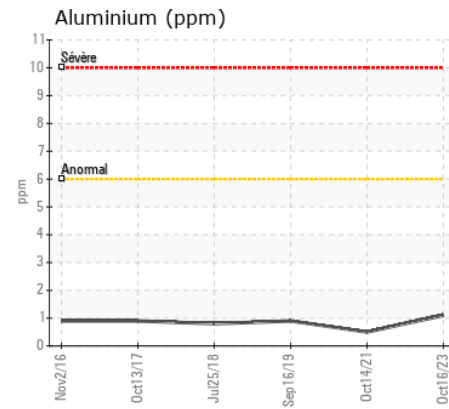
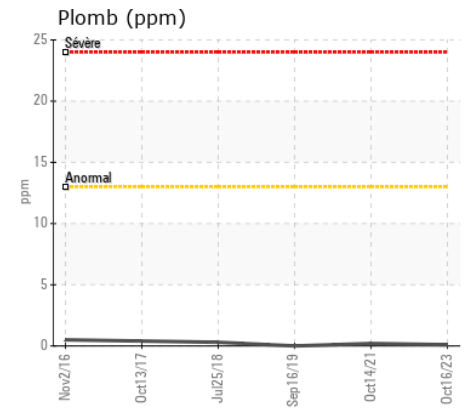
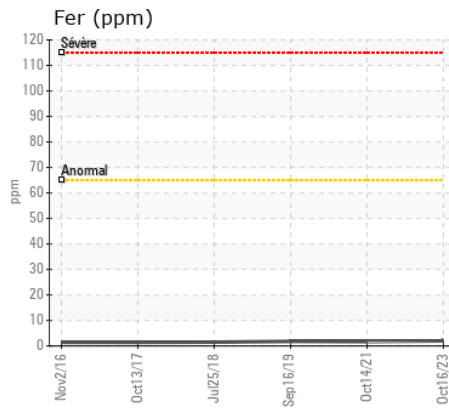
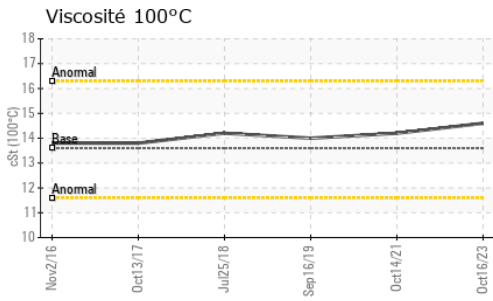
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	7	4	3
Potassium	ppm	ASTM D5185(m)	>20	0	<1	<1
Essence		WC Method	>3.0	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
% de suie	%	ASTM D7844*	>6	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	6.5	6.6	6.8
Sulfatation	Abs/.1mm	ASTM D7415*	>30	20.3	20.3	21.8
Limon	scalar	Visual*	NONE	NONE	---	---
Débris	scalar	Visual*	NONE	NONE	---	---
Saleté	scalar	Visual*	NONE	NONE	---	---
Apparence	scalar	Visual*	NORML	NORML	---	---
Odeur	scalar	Visual*	NORML	NORML	NORML	---
Eau émulsifiée	scalar	Visual*	>0.2	NEG	NEG	NEG

ÉTAT DU FLUIDE

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

Sodium	ppm	ASTM D5185(m)		4	3	2
Bore	ppm	ASTM D5185(m)	39	47	63	59
Baryum	ppm	ASTM D5185(m)	1	<1	0	0
Molybdène	ppm	ASTM D5185(m)	49	53	44	45
Manganèse	ppm	ASTM D5185(m)	1	0	<1	<1
Magnésium	ppm	ASTM D5185(m)	616	914	651	598
Calcium	ppm	ASTM D5185(m)	1554	1314	1471	1446
Phosphore	ppm	ASTM D5185(m)	899	799	1098	1010
Zinc	ppm	ASTM D5185(m)	1069	939	1201	1160
Soufre	ppm	ASTM D5185(m)	2624	2192	2686	2577
Oxydation	Abs/.1mm	ASTM D7414*	>25	17.1	16.9	15.6
Visc 100°C	cSt	ASTM D7279(m)	13.6	14.6	14.2	14.0



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : CU0019813
N° de laboratoire : 02593015
Numéro unique : 5670094
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
 T: (613)736-1146
 F: x:

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.