



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Secteur
PWGSC [99894]
 Identité de la machine
10819
 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		CU0021022	CU0013290	CU0012166
Date d'échant.		Client Info		17 Oct 2023	02 Oct 2017	02 Nov 2016
Âge d la Machine	hrs	Client Info		353	623	248
Âge de l'huile	hrs	Client Info		0	0	14
Âge du filtre	hrs	Client Info		0	0	14
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)	>100	2	7	1
Chrome	ppm	ASTM D5185(m)	>20	0	2	0
Nickel	ppm	ASTM D5185(m)	>4	0	<1	0
Titane	ppm	ASTM D5185(m)		0	21	29
Argent	ppm	ASTM D5185(m)	>3	<1	0	0
Aluminium	ppm	ASTM D5185(m)	>20	1	11	1
Plomb	ppm	ASTM D5185(m)	>40	2	<1	1
Cuivre	ppm	ASTM D5185(m)	>330	65	7	50
Étain	ppm	ASTM D5185(m)	>15	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	<1	<1

CONTAMINATION

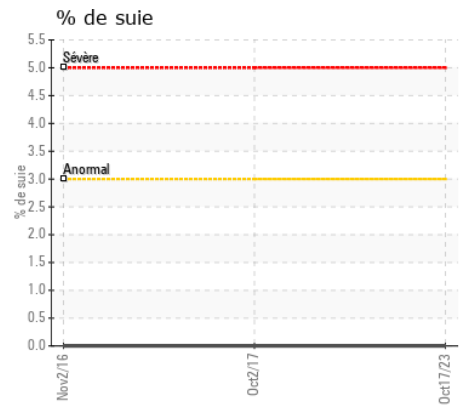
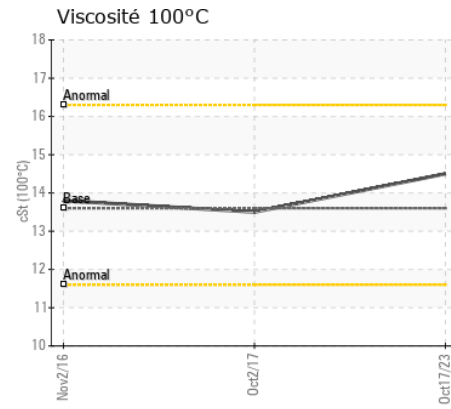
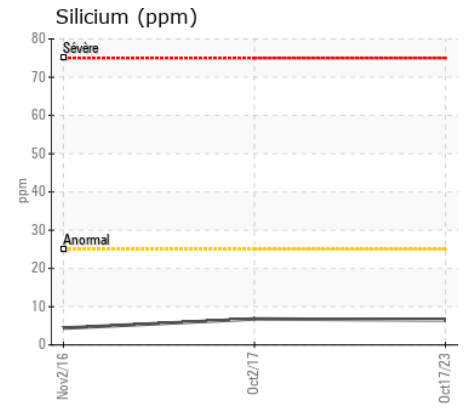
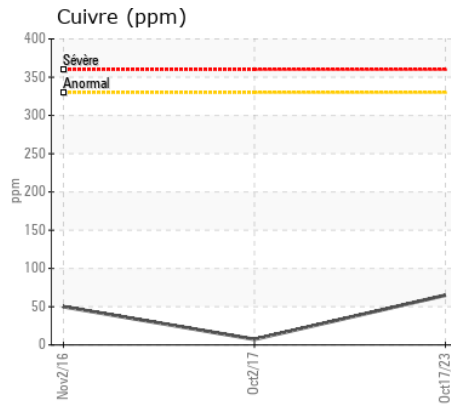
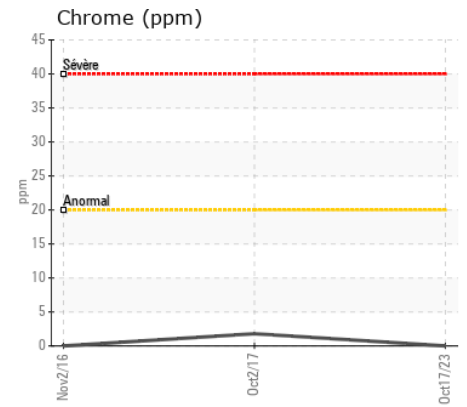
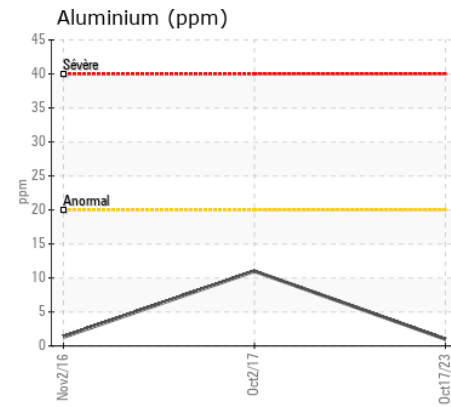
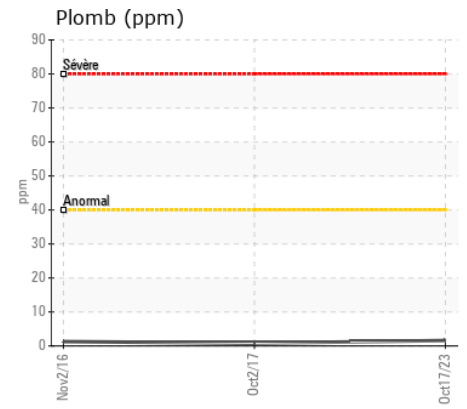
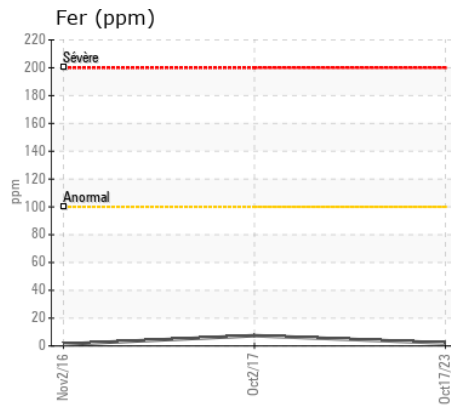
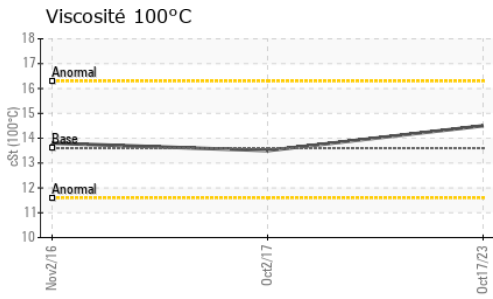
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	6	7	4
Potassium	ppm	ASTM D5185(m)	>20	0	1	0
Essence		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
% de suie	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	6.7	6.6	5.8
Sulfatation	Abs/.1mm	ASTM D7415*	>30	20.0	19.2	17.5
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	4
Bore	ppm	ASTM D5185(m)	39	48	3	16
Baryum	ppm	ASTM D5185(m)	1	<1	0	0
Molybdène	ppm	ASTM D5185(m)	49	52	39	33
Manganèse	ppm	ASTM D5185(m)	1	0	<1	<1
Magnésium	ppm	ASTM D5185(m)	616	906	986	787
Calcium	ppm	ASTM D5185(m)	1554	1306	1252	1339
Phosphore	ppm	ASTM D5185(m)	899	789	1045	1008
Zinc	ppm	ASTM D5185(m)	1069	932	1271	1180
Soufre	ppm	ASTM D5185(m)	2624	2181	2974	2868
Oxydation	Abs/.1mm	ASTM D7414*	>25	17.4	12.0	12.0
Visc 100°C	cSt	ASTM D7279(m)	13.6	14.5	13.5	13.8



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : CU0021022
N° de laboratoire : 02593013
Numéro unique : 5670092
Analyse : MOB 1

Reçu : 31 Oct 2023
Diagnostiqué : 31 Oct 2023
Diagnostiqueur : Wes Davis

CUMMINS EASTERN CANADA LP
 3189 SWANSEA CRESCENT
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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.