



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Secteur

[101781]

Identité de la machine

G1 (S/N 33199718)

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		CU0021021	CU0018102	CU0016855
Date d'échant.		Client Info		08 Dec 2023	21 Sep 2021	19 Aug 2020
Âge d la Machine	hrs	Client Info		124	95	88
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	ABNORMAL	NORMAL

USURE

Metal levels are typical for a new component breaking in.

Fer	ppm	ASTM D5185(m)	>90	2	2	2
Chrome	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titane	ppm	ASTM D5185(m)	>2	0	<1	3
Argent	ppm	ASTM D5185(m)	>2	0	0	<1
Aluminium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Plomb	ppm	ASTM D5185(m)	>40	0	<1	0
Cuivre	ppm	ASTM D5185(m)	>330	<1	<1	<1
Étain	ppm	ASTM D5185(m)	>15	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	<1

CONTAMINATION

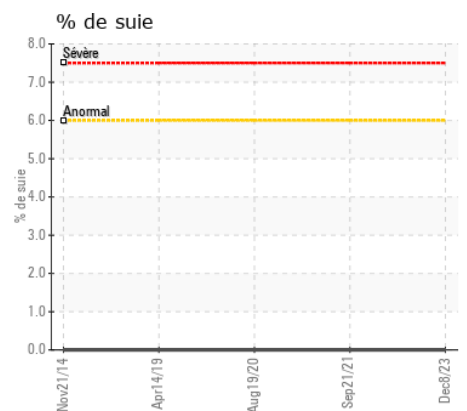
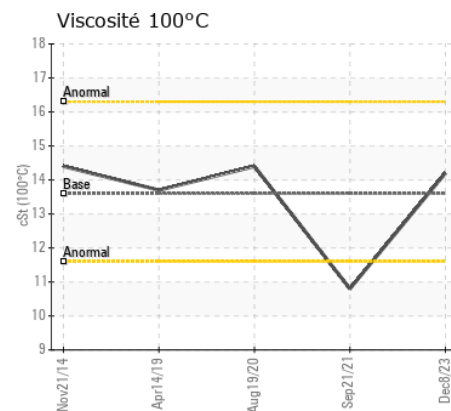
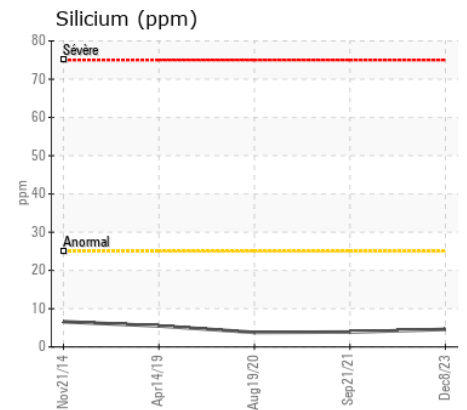
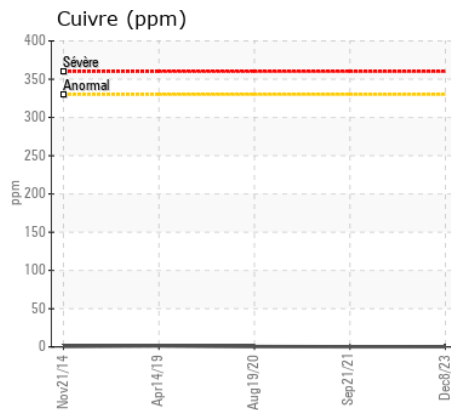
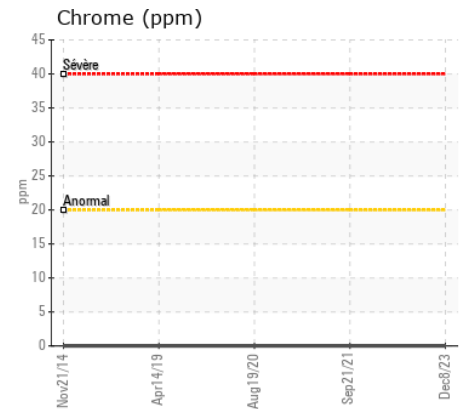
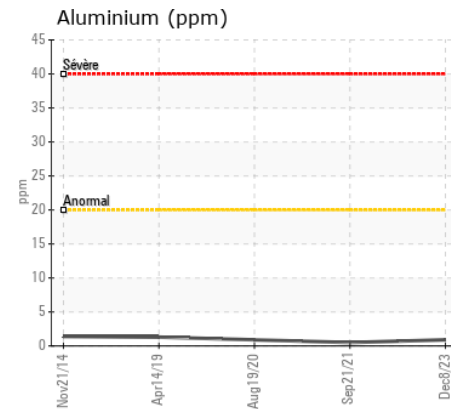
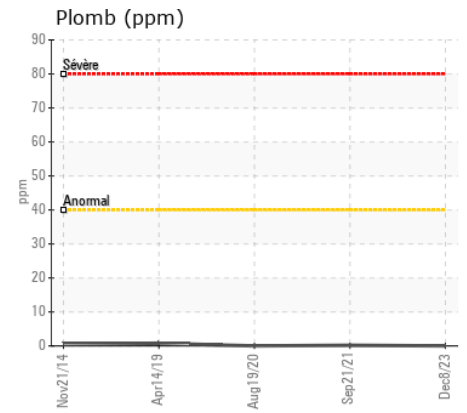
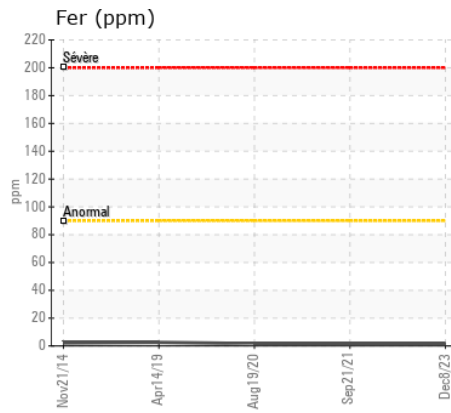
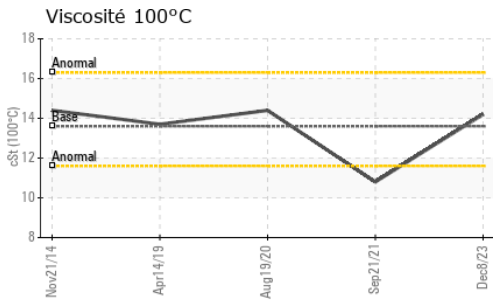
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	5	4	4
Potassium	ppm	ASTM D5185(m)	>20	0	<1	0
Essence		WC Method	>3.0	<1.0	0.4	<1.0
L'eau		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
% de suie	%	ASTM D7844*	>6	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	6.7	6.2	6.2
Sulfatation	Abs/.1mm	ASTM D7415*	>30	20.0	19.6	18.6
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)		3	3	2
Bore	ppm	ASTM D5185(m)	39	44	61	54
Baryum	ppm	ASTM D5185(m)	1	<1	0	<1
Molybdène	ppm	ASTM D5185(m)	49	47	38	47
Manganèse	ppm	ASTM D5185(m)	1	0	<1	<1
Magnésium	ppm	ASTM D5185(m)	616	775	611	649
Calcium	ppm	ASTM D5185(m)	1554	1186	1383	1461
Phosphore	ppm	ASTM D5185(m)	899	696	1030	1021
Zinc	ppm	ASTM D5185(m)	1069	823	1133	1181
Soufre	ppm	ASTM D5185(m)	2624	1946	2535	2674
Oxydation	Abs/.1mm	ASTM D7414*	>25	16.9	15.6	15.5
Visc 100°C	cSt	ASTM D7279(m)	13.6	14.2	▲ 10.8	14.4



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : CU0021021
N° de laboratoire : 02602522
Numéro unique : 5695607
Analyse : MOB 1

Reçu : 12 Dec 2023
Diagnostiqueur : Wes Davis

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: