



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Secteur

WELLINGTON BUILDING [103565]

Identité de la machine

7A42773

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		CU0021092	CU0018590	CU0017928
Date d'échant.		Client Info		11 May 2024	28 May 2022	29 May 2021
Âge d la Machine	hrs	Client Info		142	116	100
Âge de l'huile	hrs	Client Info		0	0	0
Âge du filtre	hrs	Client Info		0	0	0
Huile changée		Client Info		Changed	N/A	Changed
Filtre changé		Client Info		N/A	N/A	Changed
Statut de l'échant.				NORMAL	NORMAL	NORMAL

USURE

Metal levels are typical for a new component breaking in.

Fer	ppm	ASTM D5185(m)	>200	4	9	16
Chrome	ppm	ASTM D5185(m)	>20	0	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	0	<1	0
Titane	ppm	ASTM D5185(m)	>2	1	20	76
Argent	ppm	ASTM D5185(m)	>2	0	<1	<1
Aluminium	ppm	ASTM D5185(m)	>30	<1	1	2
Plomb	ppm	ASTM D5185(m)	>30	<1	4	7
Cuivre	ppm	ASTM D5185(m)	>30	1	2	4
Étain	ppm	ASTM D5185(m)	>15	0	2	3
Vanadium	ppm	ASTM D5185(m)		0	<1	<1
Métal blanc	scalar	Visual*	NONE	NONE	---	---
Bronze	scalar	Visual*	NONE	VLITE	---	---

CONTAMINATION

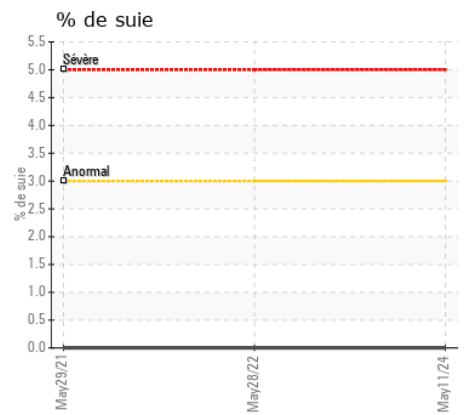
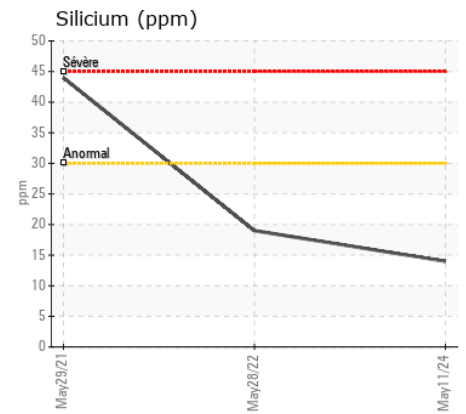
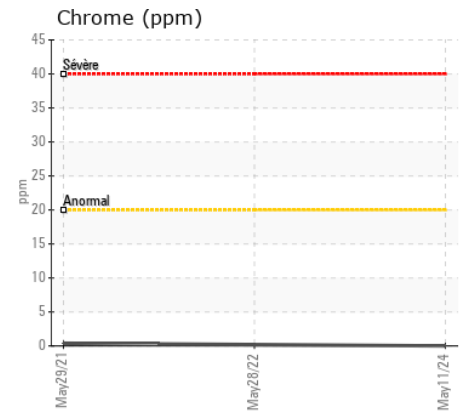
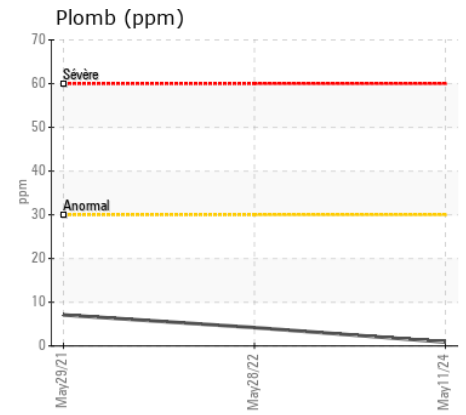
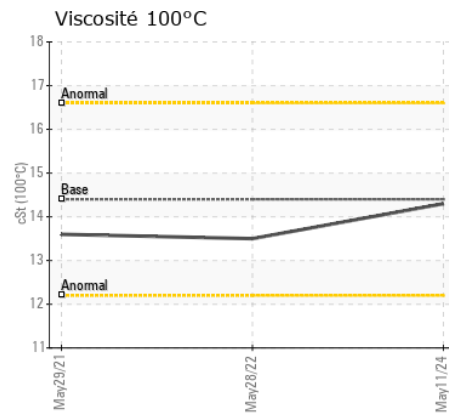
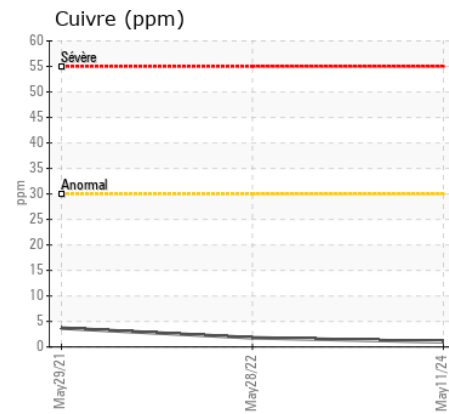
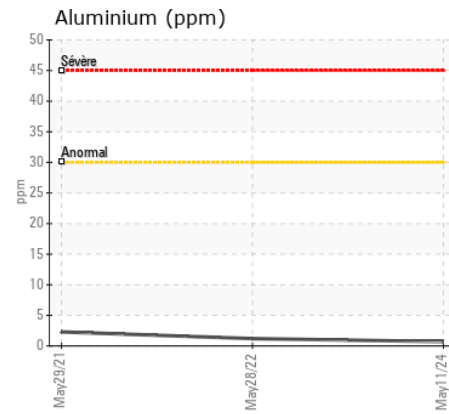
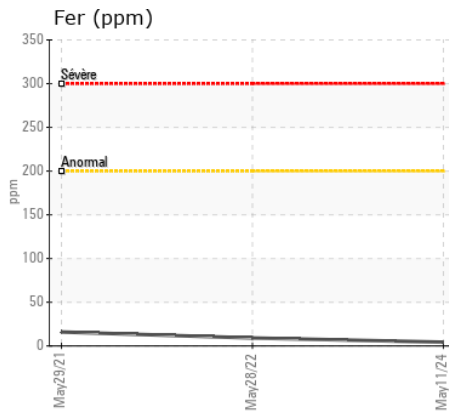
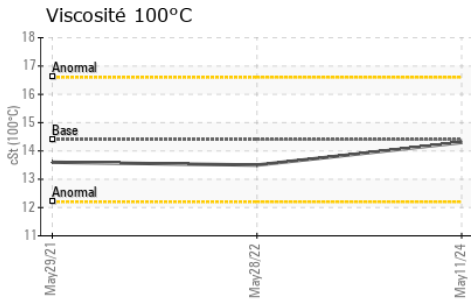
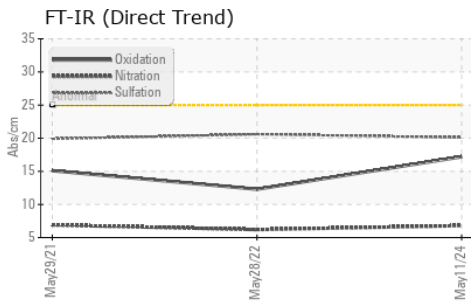
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>30	14	19	44
Potassium	ppm	ASTM D5185(m)	>20	0	1	2
Essence		WC Method	>3.0	<1.0	<1.0	<1.0
L'eau		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
% de suie	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	6.8	6.2	6.9
Sulfatation	Abs/.1mm	ASTM D7415*	>30	20.1	20.6	19.9
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)	>158	3	4	5
Bore	ppm	ASTM D5185(m)	250	45	63	105
Baryum	ppm	ASTM D5185(m)	10	0	0	<1
Molybdène	ppm	ASTM D5185(m)	100	45	24	8
Manganèse	ppm	ASTM D5185(m)		<1	<1	<1
Magnésium	ppm	ASTM D5185(m)	450	788	446	382
Calcium	ppm	ASTM D5185(m)	3000	1220	1839	1914
Phosphore	ppm	ASTM D5185(m)	1150	726	1094	1031
Zinc	ppm	ASTM D5185(m)	1350	834	1193	1246
Soufre	ppm	ASTM D5185(m)	4250	1984	3068	3422
Oxydation	Abs/.1mm	ASTM D7414*	>25	17.2	12.3	15.1
Visc 100°C	cSt	ASTM D7279(m)	14.4	14.3	13.5	13.6



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : CU0021092
N° de laboratoire : 02636303
Numéro unique : 5785465
Analyse : MOB 1 (Additional Tests: Visual)

Reçu : 17 May 2024
Tested : 17 May 2024
Diagnostiqué : 17 May 2024 - 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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