



RAPPORT D'ANALYSE D'HUILE

USURE
CONTAMINATION
ÉTAT DU FLUIDE

SÉVÈRE
NORMAL
NORMAL

Secteur
[207145]
Identité de la machine
42

Composant
Moteur diesel
Fluid
DIESEL ENGINE OIL SAE 40 (--- GAL)

RECOMMENDATION

We advise that you check for visible metal particles in the oil. 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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		CU0022122	CU0022123	---
Date d'échant.		Client Info		18 Jan 2024	17 Jan 2024	---
Âge d la Machine	hrs	Client Info		0	0	---
Âge de l'huile	hrs	Client Info		0	0	---
Âge du filtre	hrs	Client Info		0	0	---
Huile changée		Client Info		N/A	N/A	---
Filtre changé		Client Info		N/A	N/A	---
Statut de l'échant.				SEVERE	ATTENTION	---

USURE

Moderate concentration of visible metal present. Piston, ring and cylinder wear is indicated.

Fer	ppm	ASTM D5185(m)	>90	37	15	---
Chrome	ppm	ASTM D5185(m)	>20	1	<1	---
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	---
Titane	ppm	ASTM D5185(m)	>2	0	0	---
Argent	ppm	ASTM D5185(m)	>2	<1	0	---
Aluminium	ppm	ASTM D5185(m)	>20	17	8	---
Plomb	ppm	ASTM D5185(m)	>40	4	1	---
Cuivre	ppm	ASTM D5185(m)	>330	1	<1	---
Étain	ppm	ASTM D5185(m)	>15	2	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Métal blanc	scalar	Visual*	NONE	MODER	LIGHT	---
Bronze	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

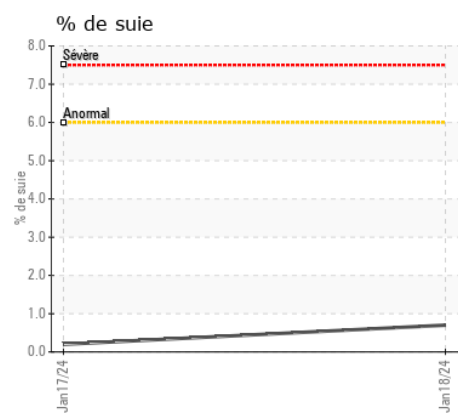
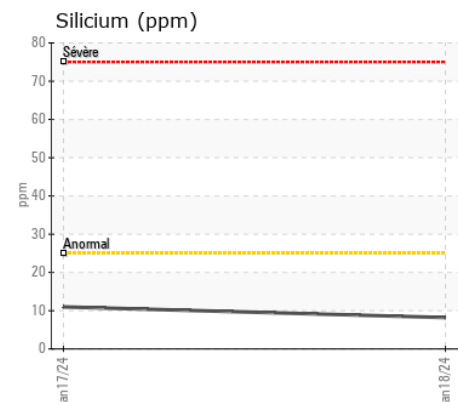
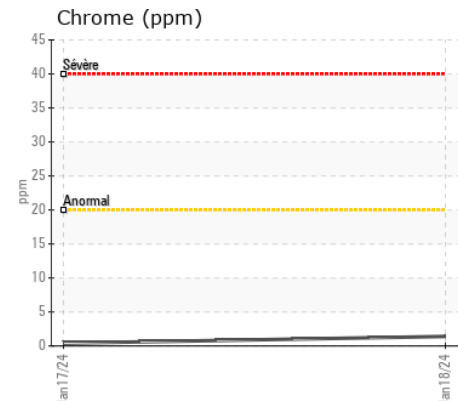
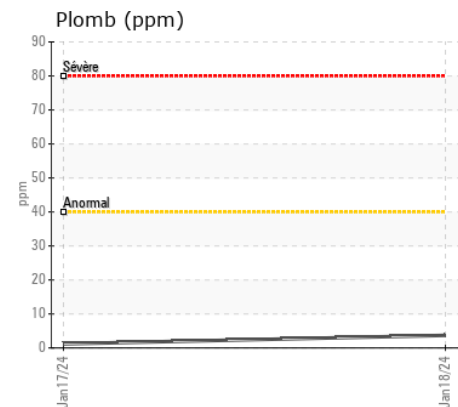
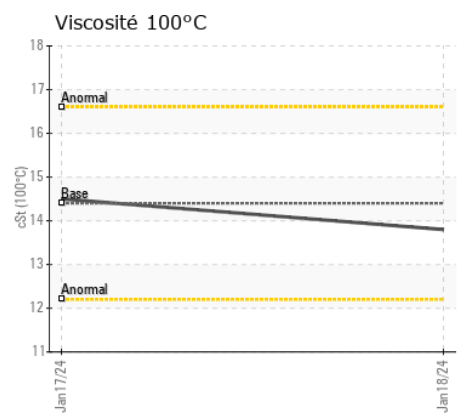
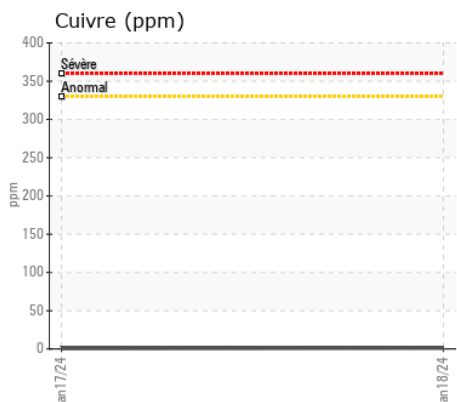
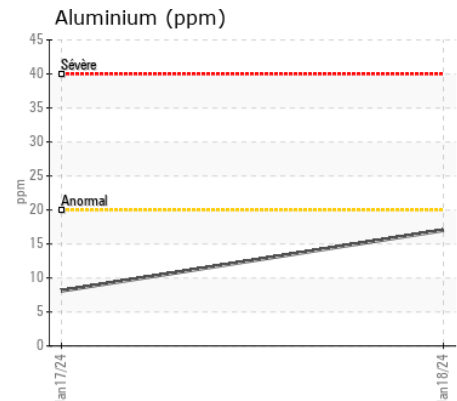
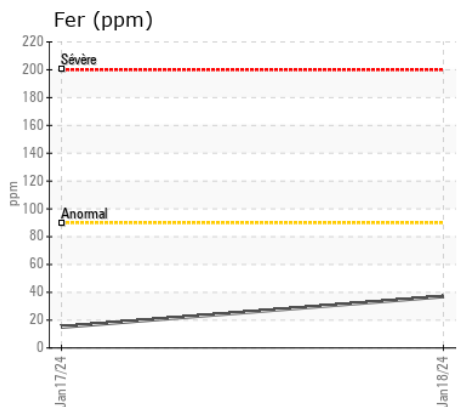
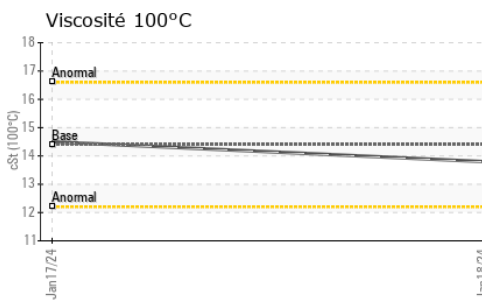
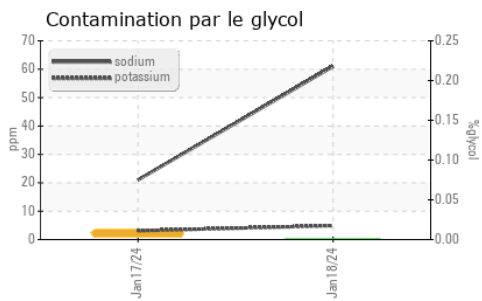
Test for glycol is negative. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	8	11	---
Potassium	ppm	ASTM D5185(m)	>20	5	3	---
Essence		WC Method	>3.0	<1.0	<1.0	---
L'eau		WC Method	>0.2	NEG	NEG	---
Glycol	%	ASTM D7922*		0.0	▲ 0.012	---
% de suie	%	ASTM D7844*	>6	0.7	0.2	---
Nitration	Abs/cm	ASTM D7624*	>20	12.0	8.4	---
Sulfatation	Abs/.1mm	ASTM D7415*	>30	27.6	20.3	---
Limon	scalar	Visual*	NONE	NONE	NONE	---
Débris	scalar	Visual*	NONE	NONE	NONE	---
Saleté	scalar	Visual*	NONE	NONE	NONE	---
Apparence	scalar	Visual*	NORML	NORML	NORML	---
Odeur	scalar	Visual*	NORML	NORML	NORML	---
Eau émulsifiée	scalar	Visual*	>0.2	NEG	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)	>216	61	▲ 21	---
Bore	ppm	ASTM D5185(m)	250	20	53	---
Baryum	ppm	ASTM D5185(m)	10	0	0	---
Molybdène	ppm	ASTM D5185(m)	100	105	88	---
Manganèse	ppm	ASTM D5185(m)		0	0	---
Magnésium	ppm	ASTM D5185(m)	450	46	37	---
Calcium	ppm	ASTM D5185(m)	3000	2353	2124	---
Phosphore	ppm	ASTM D5185(m)	1150	1048	977	---
Zinc	ppm	ASTM D5185(m)	1350	1240	1096	---
Soufre	ppm	ASTM D5185(m)	4250	3178	3162	---
Oxydation	Abs/.1mm	ASTM D7414*	>25	22.2	14.9	---
Visc 100°C	cSt	ASTM D7279(m)	14.4	13.8	14.5	---



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : CU0022122 **Reçu** : 19 Jan 2024
N° de laboratoire : 02609936 **Diagnostiqué** : 23 Jan 2024
Numéro unique : 5711022 **Diagnostiqueur** : Kevin Marson
Analyse : MOB 1 (Additional Tests: Bottom, BottomAnalysis, FilterPatch, Glycol, Visual)

CUMMINS CANADA ULC
 7200 TRANS CANADA HWY.
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 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.