



RAPPORT DU CARBURANT

Sample Rating Trend

USURE

Secteur
[49765]
Identité de la machine
74719864

Composant
Carburant diesel
Fluid

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)



DIAGNOSTIC

▲ Recommendation

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We advise that you filter this fluid before use. We recommend an early resample to monitor this condition.

▲ Corrosion

Lead ppm levels are abnormal. The high metal levels indicate corrosion in the system.

▲ Contaminants

There is a moderate amount of particulates (2 to 100 microns in size) present in the fuel. The water content is negligible.

▲ État Du Carburant

The specific gravity is lower than typical for diesel fuel. The fuel is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

INFORMATION SUR L'éCHANTILLON		methode	limite/base	actuel	passé1	passé2
Numéro d'échant.	Client Info			CU0021679	---	---
Date d'échant.	Client Info			17 Jan 2024	---	---
Âge d la Machine	hrs	Client Info		0	---	---
Statut de l'échant.				ABNORMAL	---	---

PHYSICAL PROPERTIES		methode	limite/base	actuel	passé1	passé2
Densité	ASTM D1298*	0.839	▲ 0.795	---	---	
Couleur du carburant	text	Visual Screen*	Yellow	Yellow	---	---
Visc 40°C	cSt	ASTM D7279(m)	3.0	1.4	---	---
Point d'éclair Pensky-Martens	°C	ASTM D7215*	52	46	---	---

SULFUR CONTENT		methode	limite/base	actuel	passé1	passé2
Soufre	ppm	ASTM D5185(m)	10	8	---	---

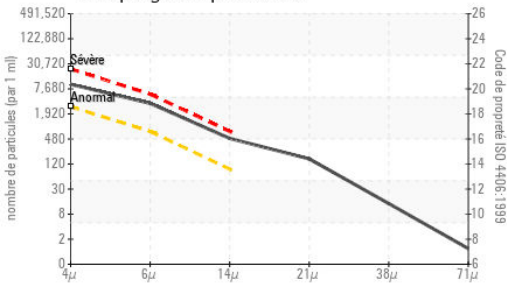
DISTILLATION		methode	limite/base	actuel	passé1	passé2
Point d'ébullition initial	°C	ASTM D2887*	165	153	---	---
Point de distillation de 5%	°C	ASTM D2887*		166	---	---
Point de distillation de 10%	°C	ASTM D2887*	201	172	---	---
Point de distillation de 15%	°C	ASTM D2887*		177	---	---
Point de distillation de 20%	°C	ASTM D2887*	216	182	---	---
Point de distillation de 30%	°C	ASTM D2887*	230	191	---	---
Point de distillation de 40%	°C	ASTM D2887*	243	200	---	---
Point de distillation de 50%	°C	ASTM D2887*	255	208	---	---
Point de distillation de 60%	°C	ASTM D2887*	267	217	---	---
Point de distillation de 70%	°C	ASTM D2887*	280	226	---	---
Point de distillation de 80%	°C	ASTM D2887*	295	238	---	---
Point de distillation de 85%	°C	ASTM D2887*		246	---	---
Point de distillation de 90%	°C	ASTM D2887*	310	255	---	---
Point de distillation de 95%	°C	ASTM D2887*		270	---	---
Point d'ébullition final	°C	ASTM D2887*	341	292	---	---

IGNITION QUALITY		methode	limite/base	actuel	passé1	passé2
Densité API	ASTM D1298*	37.7	46	---	---	
Indice de cétane	ASTM D4737*	<40.0	51	---	---	

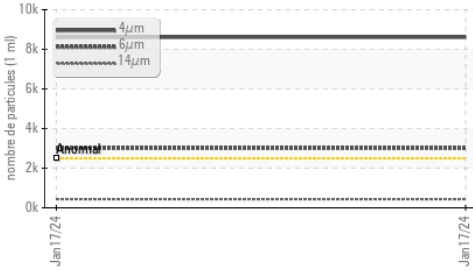
CONTAMINANTS		methode	limite/base	actuel	passé1	passé2
Silicium	ppm	ASTM D5185(m)	<1.0	0	---	---
Sodium	ppm	ASTM D5185(m)	<0.1	<1	---	---
Potassium	ppm	ASTM D5185(m)	<0.1	0	---	---
ppm d'eau	ppm	ASTM D6304*	<500	24	---	---

PROPRETÉ DU FLUIDE		methode	limite/base	actuel	passé1	passé2
Particules >4µ	ASTM D7647	>2500	▲ 8609	---	---	
Particules >6µ	ASTM D7647	>640	▲ 3011	---	---	
Particules >14µ	ASTM D7647	>80	▲ 435	---	---	
Particules >21µ	ASTM D7647	>20	▲ 141	---	---	
Particules >38µ	ASTM D7647	>4	▲ 12	---	---	
Particules >71µ	ASTM D7647	>3	1	---	---	
Propreté de l'huile	ISO 4406 (c)	>18/16/13	▲ 20/19/16	---	---	

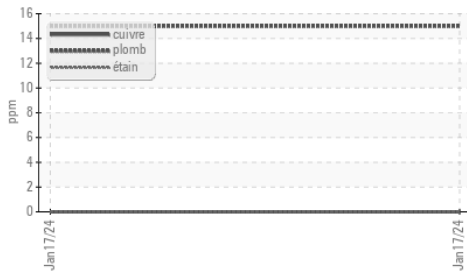
▲ Comptage de particules



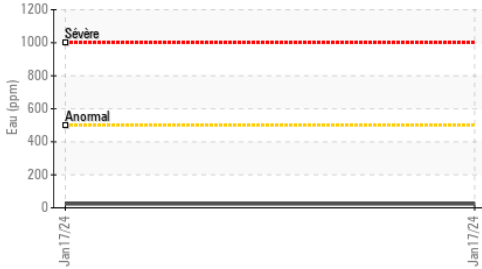
▲ Tendence des particules



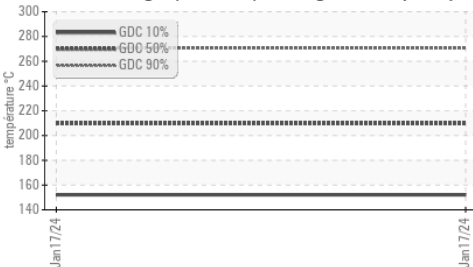
▲ Métaux non-ferreux



Eau (KF)



Chromatographie en phase gazeuse (GCD)



HEAVY METALS

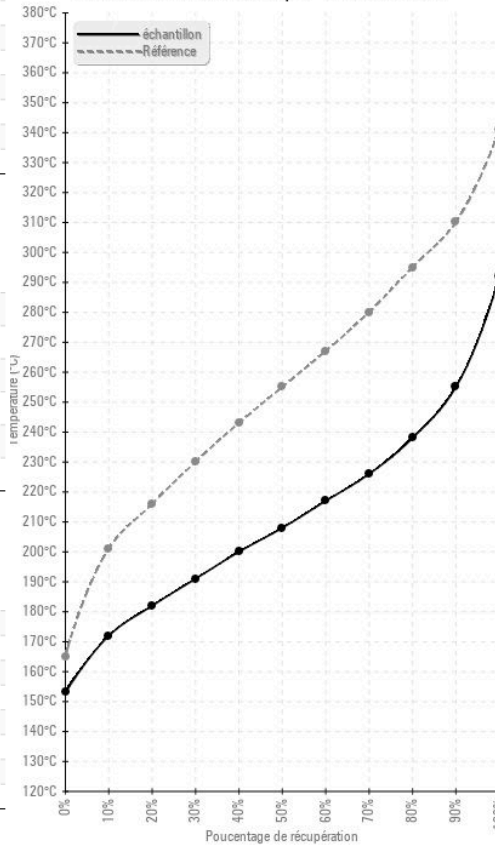
	methode	limite/base	actuel	passé1	passé2
Aluminium	ppm	ASTM D5185(m)	<0.1	0	---
Nickel	ppm	ASTM D5185(m)	<0.1	0	---
Plomb	ppm	ASTM D5185(m)	<0.1	▲ 15	---
Vanadium	ppm	ASTM D5185(m)	<0.1	0	---
Fer	ppm	ASTM D5185(m)	<0.1	0	---
Calcium	ppm	ASTM D5185(m)	<0.1	<1	---
Magnésium	ppm	ASTM D5185(m)	<0.1	0	---
Phosphore	ppm	ASTM D5185(m)	<0.1	<1	---
Zinc	ppm	ASTM D5185(m)	<0.1	<1	---

IMAGES DE L'ÉCHANTILLON

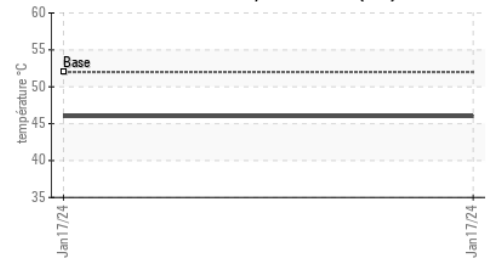
	methode	limite/base	actuel	passé1	passé2
Coluer				no image	no image
Fond				no image	no image

GRAPHIQUES

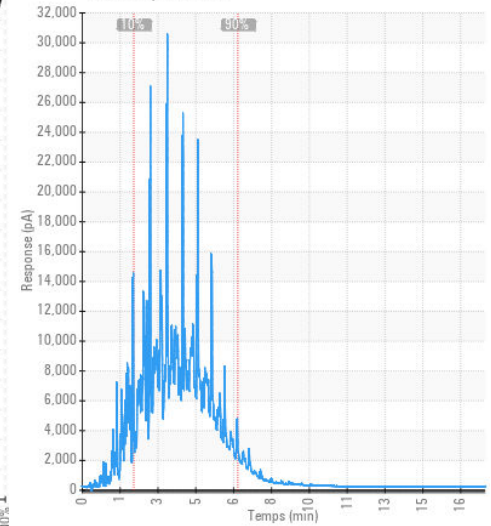
Courbe de distillation par le carburant



Point d'éclair Pensky-Martens (°C)



GCD Spectrum



ISO 17025:2017
Accredited
Laboratory

Laboratoire
N° d'échantillon
N° de laboratoire
Numéro unique
Analyse

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
: CU0021679
: 02612941
: 5722036
: FUEL (Additional Tests: CC Flash, GC-PercFuel, PrtCount)

CUMMINS EASTERN CANADA INC.
122 CLYDE AVENUE
MOUNT PEARL, NL
CA A1N 4S3
Contact: DARRYL CAREY
DARRYL.CAREY@CUMMINS.COM
T: (709)747-1135
F: (709)747-1084

Pour discuter cette 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.