



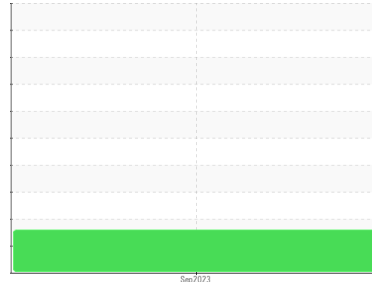
RAPPORT DU CARBURANT

Sample Rating Trend

ISO(LES NORMES)

Secteur
[99828]
Identité de la machine
N3113 SCCT2

Composant
Carburant diesel
Fluide
No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)



DIAGNOSTIC

▲ Recommendation

Laboratory test indicate that this fuel is suitable for use and meets all test requirements. We advise that you filter this fluid before use. We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

Corrosionne

{not applicable}

▲ Contaminants

There is a moderate amount of silt (particulates < 14 microns in size) present in the fuel. The water content is negligible.

État Du Carburant

All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel (US EPA/CGSB-3.517-3 type B). 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			CU0019820	---	---
Date d'échant.	Client Info			30 Sep 2023	---	---
Âge d la Machine	hrs	Client Info		501	---	---
Statut de l'échant.				ABNORMAL	---	---

PHYSICAL PROPERTIES		methode	limite/base	actuel	passé1	passé2
Densité		ASTM D1298*	0.839	0.828	---	---
Couleur du carburant	text	Visual Screen*	Yllow	Pink	---	---
Visc 40°C	cSt	ASTM D7279(m)	3.0	2.4	---	---
Point d'éclair Pensky-Martens	°C	ASTM D7215*	52	54.6	---	---

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

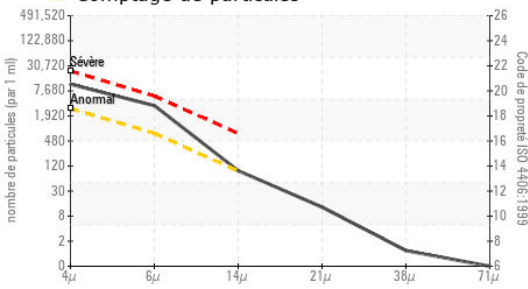
DISTILLATION		methode	limite/base	actuel	passé1	passé2
Point d'ébullition initial	°C	ASTM D2887*	165	165	---	---
Point de distillation de 5%	°C	ASTM D2887*		186	---	---
Point de distillation de 10%	°C	ASTM D2887*	201	195	---	---
Point de distillation de 15%	°C	ASTM D2887*		202	---	---
Point de distillation de 20%	°C	ASTM D2887*	216	209	---	---
Point de distillation de 30%	°C	ASTM D2887*	230	224	---	---
Point de distillation de 40%	°C	ASTM D2887*	243	238	---	---
Point de distillation de 50%	°C	ASTM D2887*	255	252	---	---
Point de distillation de 60%	°C	ASTM D2887*	267	267	---	---
Point de distillation de 70%	°C	ASTM D2887*	280	281	---	---
Point de distillation de 80%	°C	ASTM D2887*	295	298	---	---
Point de distillation de 85%	°C	ASTM D2887*		310	---	---
Point de distillation de 90%	°C	ASTM D2887*	310	322	---	---
Point de distillation de 95%	°C	ASTM D2887*		343	---	---
Point d'ébullition final	°C	ASTM D2887*	341	366	---	---

IGNITION QUALITY		methode	limite/base	actuel	passé1	passé2
Densité API		ASTM D1298*	37.7	39	---	---
Indice de cétane		ASTM D4737*	<40.0	51	---	---

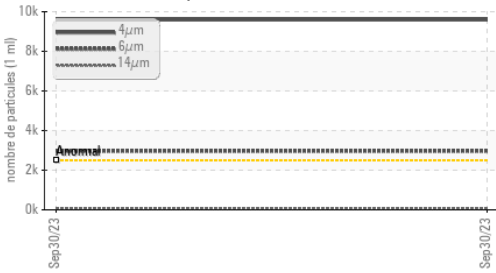
CONTAMINANTS		methode	limite/base	actuel	passé1	passé2
Silicium	ppm	ASTM D5185(m)	<1.0	0	---	---
Sodium	ppm	ASTM D5185(m)	<0.1	0	---	---
Potassium	ppm	ASTM D5185(m)	<0.1	<1	---	---
Eau	%	ASTM D6304*	<0.05	0.003	---	---
ppm d'eau	ppm	ASTM D6304*	<500	33.8	---	---

PROPRETÉ DU FLUIDE		methode	limite/base	actuel	passé1	passé2
Particules >4µ		ASTM D7647	>2500	▲ 9593	---	---
Particules >6µ		ASTM D7647	>640	▲ 2971	---	---
Particules >14µ		ASTM D7647	>80	▲ 82	---	---
Particules >21µ		ASTM D7647	>20	11	---	---
Particules >38µ		ASTM D7647	>4	1	---	---
Particules >71µ		ASTM D7647	>3	0	---	---
Propreté de l'huile		ISO 4406 (c)	>18/16/13	▲ 20/19/14	---	---

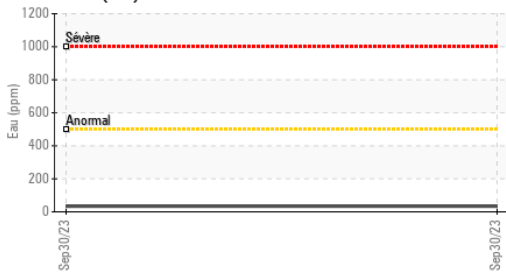
Comptage de particules



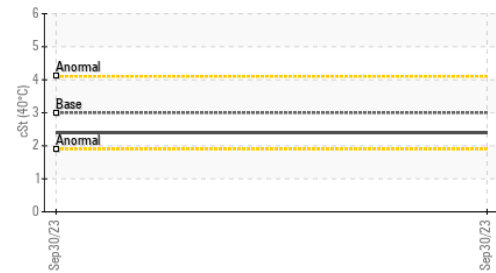
Tendance des particules



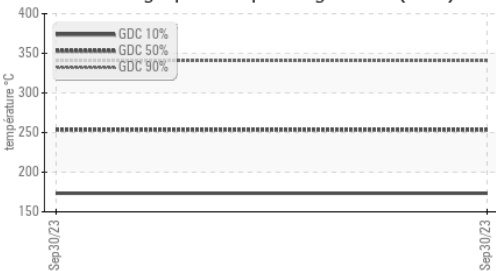
Eau (KF)



Viscosité 40°C



Chromatographie en phase gazeuse (GCD)



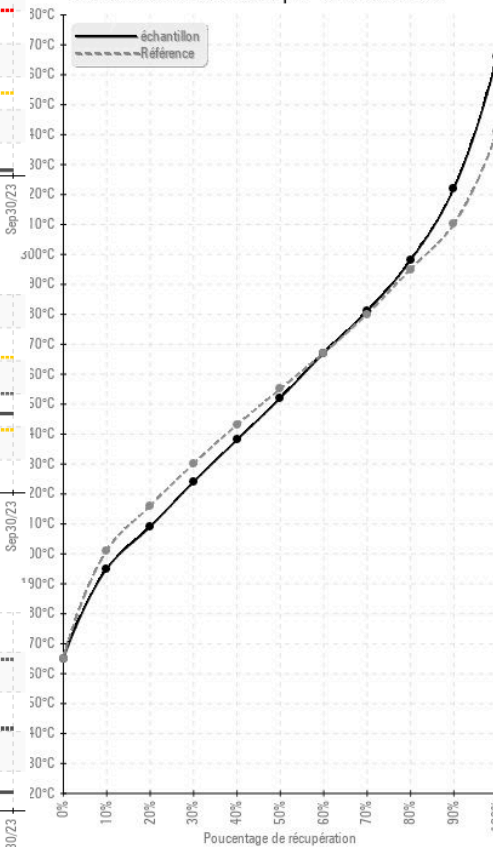
HEAVY METALS	methode	limite/base	actuel	passé1	passé2
Aluminium	ppm	ASTM D5185(m)	<0.1	0	---
Nickel	ppm	ASTM D5185(m)	<0.1	0	---
Plomb	ppm	ASTM D5185(m)	<0.1	0	---
Vanadium	ppm	ASTM D5185(m)	<0.1	0	---
Fer	ppm	ASTM D5185(m)	<0.1	<1	---
Calcium	ppm	ASTM D5185(m)	<0.1	0	---
Magnésium	ppm	ASTM D5185(m)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

IMAGES DE L'ÉCHANTILLON

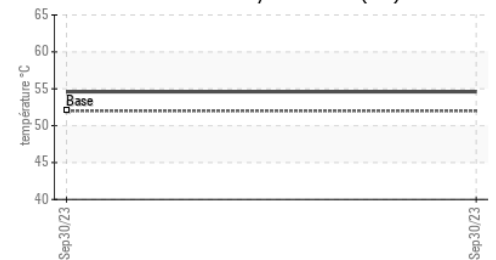
	methode	limite/base	actuel	passé1	passé2
Coluer				no image	no image
Fond				no image	no image

GRAPHIQUES

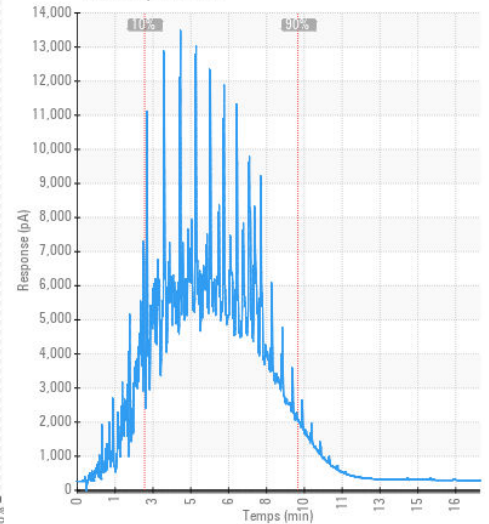
Courbe de distillation par le carburant



Point d'éclair Pensky-Martens (°C)



GCD Spectrum



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : CU0019820
N° de laboratoire : 02586939
Reçu : 04 Oct 2023
Diagnostiqué : 06 Oct 2023
Numéro unique : 5656005
Diagnostiqueur : Kevin Marson
Analyse : FUEL (Additional Tests: CC Flash, GC-PercFuel, PrtCount)

CUMMINS EASTERN CANADA LP
 3189 SWANSEA CRESCENT
 OTTAWA, ON
 CA K1G 3W5
 Contact: Max Lauzon
 max.lauzon@cummins.com

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.

T:
F: (613)736-1202