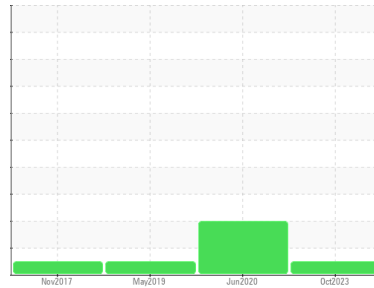




RAPPORT DU CARBURANT

Sample Rating Trend



NORMALE



Secteur
[98898]
 Identité de la machine
280 SLATER

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

DIAGNOSTIC

Recommendation

Laboratory test indicate that this fuel is suitable for use and meets all test requirements. Resample at the next service interval to monitor.

Corrosion

{not applicable}

Contaminants

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. There is no indication of any contamination in the diesel fuel.

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).

INFORMATION SUR L'ÉCHANTILLON		methode	limite/base	actuel	passé1	passé2
Numéro d'échant.	Client Info			CU0020744	CU0016219	CU0014778
Date d'échant.	Client Info			21 Oct 2023	23 Jun 2020	05 May 2019
Âge d la Machine	hrs	Client Info		250	0	184
Statut de l'échant.				NORMAL	ABNORMAL	NORMAL

PHYSICAL PROPERTIES		methode	limite/base	actuel	passé1	passé2
Densité		ASTM D1298*	0.839	0.821	0.827	0.820
Couleur du carburant	text	Visual Screen*	Yllow	Pink	Pink	Pink
Visc 40°C	cSt	ASTM D7279(m)	3.0	2	2.0	2.1
Point d'éclair Pensky-Martens	°C	ASTM D7215*	52	54.8	61	56

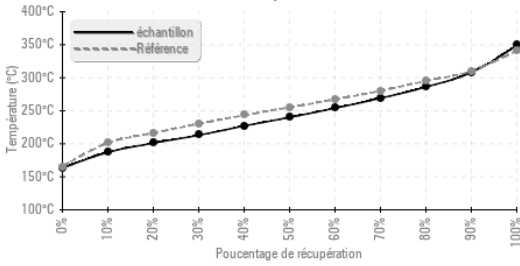
SULFUR CONTENT		methode	limite/base	actuel	passé1	passé2
Soufre	ppm	ASTM D5185(m)	250	12	20	21

DISTILLATION		methode	limite/base	actuel	passé1	passé2
Point d'ébullition initial	°C	ASTM D2887*	165	163	168	159
Point de distillation de 5%	°C	ASTM D2887*		180	187	180
Point de distillation de 10%	°C	ASTM D2887*	201	187	195	189
Point de distillation de 15%	°C	ASTM D2887*		194	199	196
Point de distillation de 20%	°C	ASTM D2887*	216	201	208	203
Point de distillation de 30%	°C	ASTM D2887*	230	213	220	216
Point de distillation de 40%	°C	ASTM D2887*	243	227	233	228
Point de distillation de 50%	°C	ASTM D2887*	255	240	245	242
Point de distillation de 60%	°C	ASTM D2887*	267	254	262	255
Point de distillation de 70%	°C	ASTM D2887*	280	269	272	270
Point de distillation de 80%	°C	ASTM D2887*	295	286	288	286
Point de distillation de 85%	°C	ASTM D2887*		297	301	295
Point de distillation de 90%	°C	ASTM D2887*	310	308	309	307
Point de distillation de 95%	°C	ASTM D2887*		328	327	324
Point d'ébullition final	°C	ASTM D2887*	341	349	346	336
Résidu de distillation	%	ASTM D86(e)*	3.0	---	---	1.4
Perte par distillation	%	ASTM D86(e)*	3.0	---	---	0.5

IGNITION QUALITY		methode	limite/base	actuel	passé1	passé2
Densité API		ASTM D1298*	37.7	40	---	41.1
Indice de cétane		ASTM D4737*	<40.0	50	49	51.6

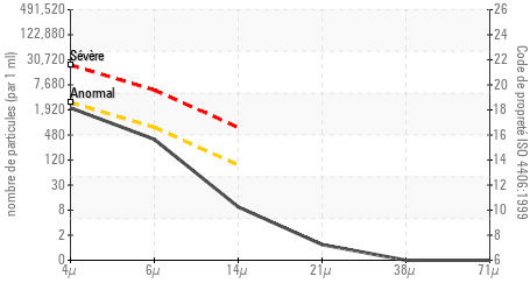
CONTAMINANTS		methode	limite/base	actuel	passé1	passé2
Silicium	ppm	ASTM D5185(m)	<1.0	0	0	0
Sodium	ppm	ASTM D5185(m)	<0.1	0	<1	<1
Potassium	ppm	ASTM D5185(m)	<0.1	<1	<1	0
Eau	%	ASTM D6304*	<0.05	0.001	0.002	0.002
ppm d'eau	ppm	ASTM D6304*	<500	14.0	17.3	24.0

Courbe de distillation par le carburant



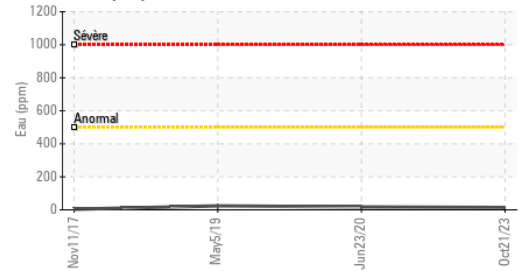
PROPRETÉ DU FLUIDE	methode	limite/base	actuel	passé1	passé2
Particules >4µ	ASTM D7647	>2500	1882	▲ 7892	8900
Particules >6µ	ASTM D7647	>640	332	▲ 2280	1377
Particules >14µ	ASTM D7647	>80	8	▲ 251	29
Particules >21µ	ASTM D7647	>20	1	▲ 113	5
Particules >38µ	ASTM D7647	>4	0	▲ 7	0
Particules >71µ	ASTM D7647	>3	0	0	0
Propreté de l'huile	ISO 4406 (c)	>18/16/13	18/16/10	▲ 20/18/15	20/18/12

Comptage de particules



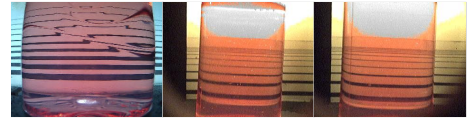
HEAVY METALS	methode	limite/base	actuel	passé1	passé2
Aluminium	ppm	ASTM D5185(m)	<0.1	0	0
Nickel	ppm	ASTM D5185(m)	<0.1	0	0
Plomb	ppm	ASTM D5185(m)	<0.1	0	0
Vanadium	ppm	ASTM D5185(m)	<0.1	0	0
Fer	ppm	ASTM D5185(m)	<0.1	<1	<1
Calcium	ppm	ASTM D5185(m)	<0.1	0	0
Magnésium	ppm	ASTM D5185(m)	<0.1	0	0
Phosphore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

Eau (KF)



IMAGES DE L'ÉCHANTILLON	methode	limite/base	actuel	passé1	passé2
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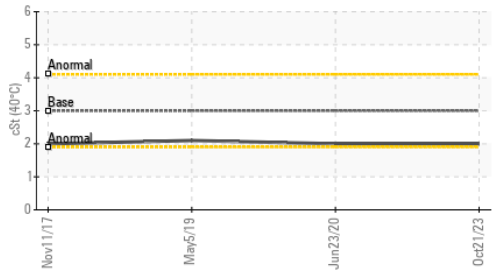
Coluer



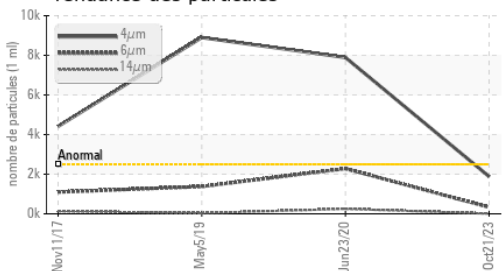
Fond



Viscosité 40°C



Tendance des particules



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : CU0020744
N° de laboratoire : **02591880**
Numéro unique : 5668959
Analyse : FUEL (Additional Tests: CC Flash, GC-PercFuel, PrtCount)

CUMMINS EASTERN CANADA LP
 3189 SWANSEA CRESCENT
 OTTAWA, ON
 CA K1G 3W5
 Contact: Cindy Harrison
 cindy.harrison@cummins.com
 T: (613)736-1146
 F: x:

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.