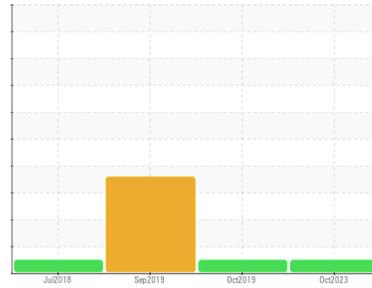




RAPPORT DU CARBURANT

Sample Rating Trend

NORMALE



Secteur
[99893]
 Identité de la machine
33168742

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 diesel fuel, low sulfur (US EPA/CGSB-3.517-3 type B).

INFORMATION SUR L'ÉCHANTILLON		methode	limite/base	actuel	passé1	passé2
Numéro d'échant.	Client Info			CU0019851	CU0015149	CU0015718
Date d'échant.	Client Info			16 Oct 2023	03 Oct 2019	16 Sep 2019
Âge d la Machine	hrs	Client Info		248	0	167
Statut de l'échant.				NORMAL	NORMAL	SEVERE

PHYSICAL PROPERTIES		methode	limite/base	actuel	passé1	passé2
Densité		ASTM D1298*	0.839	0.831	0.828	0.832
Couleur du carburant	text	Visual Screen*	Yllow	Red	Pink	Pink
Visc 40°C	cSt	ASTM D7279(m)	3.0	2.3	2.1	2.1
Point d'éclair Pensky-Martens	°C	ASTM D7215*	52	54.6	52	52

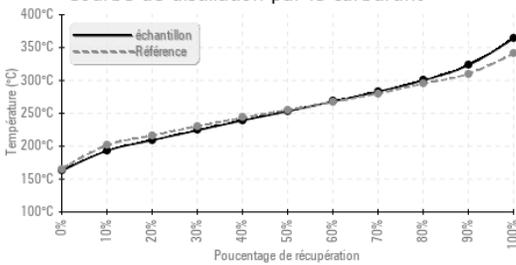
SULFUR CONTENT		methode	limite/base	actuel	passé1	passé2
Soufre	ppm	ASTM D5185(m)	250	15	17	16

DISTILLATION		methode	limite/base	actuel	passé1	passé2
Point d'ébullition initial	°C	ASTM D2887*	165	162	153	154
Point de distillation de 5%	°C	ASTM D2887*		183	175	176
Point de distillation de 10%	°C	ASTM D2887*	201	193	185	185
Point de distillation de 15%	°C	ASTM D2887*		201	192	193
Point de distillation de 20%	°C	ASTM D2887*	216	209	200	200
Point de distillation de 30%	°C	ASTM D2887*	230	224	215	216
Point de distillation de 40%	°C	ASTM D2887*	243	239	229	230
Point de distillation de 50%	°C	ASTM D2887*	255	253	245	245
Point de distillation de 60%	°C	ASTM D2887*	267	268	260	260
Point de distillation de 70%	°C	ASTM D2887*	280	283	276	276
Point de distillation de 80%	°C	ASTM D2887*	295	300	293	293
Point de distillation de 85%	°C	ASTM D2887*		311	302	303
Point de distillation de 90%	°C	ASTM D2887*	310	323	314	315
Point de distillation de 95%	°C	ASTM D2887*		342	334	335
Point d'ébullition final	°C	ASTM D2887*	341	364	348	348
Résidu de distillation	%	ASTM D86(e)*	3.0	---	1.4	1.4
Perte par distillation	%	ASTM D86(e)*	3.0	---	0.4	0.5

IGNITION QUALITY		methode	limite/base	actuel	passé1	passé2
Densité API		ASTM D1298*	37.7	38	39.4	38.6
Indice de cétane		ASTM D4737*	<40.0	50	49.0	47.5

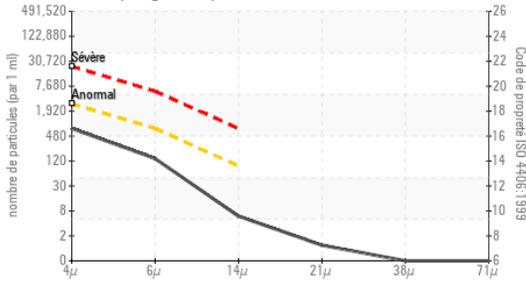
CONTAMINANTS		methode	limite/base	actuel	passé1	passé2
Silicium	ppm	ASTM D5185(m)	<1.0	0	0	0
Sodium	ppm	ASTM D5185(m)	<0.1	0	0	0
Potassium	ppm	ASTM D5185(m)	<0.1	<1	<1	<1
Eau	%	ASTM D6304*	<0.05	0.00	0.001	0.002
ppm d'eau	ppm	ASTM D6304*	<500	0.00	16.5	25.5

Courbe de distillation par le carburant



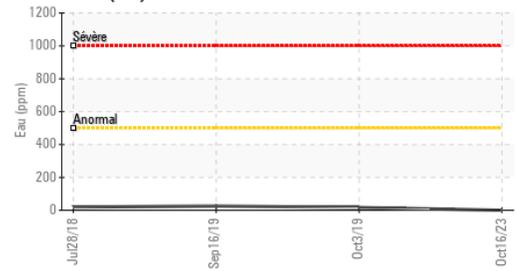
PROPRETÉ DU FLUIDE	methode	limite/base	actuel	passé1	passé2
Particules >4µ	ASTM D7647	>2500	644	1799	55124
Particules >6µ	ASTM D7647	>640	121	356	19109
Particules >14µ	ASTM D7647	>80	5	14	497
Particules >21µ	ASTM D7647	>20	1	4	79
Particules >38µ	ASTM D7647	>4	0	0	0
Particules >71µ	ASTM D7647	>3	0	0	0
Propreté de l'huile	ISO 4406 (c)	>18/16/13	17/14/10	18/16/11	23/21/16

Comptage de particules



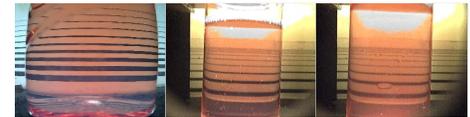
HEAVY METALS	methode	limite/base	actuel	passé1	passé2
Aluminium	ppm	ASTM D5185(m)	<0.1	0	0
Nickel	ppm	ASTM D5185(m)	<0.1	0	0
Plomb	ppm	ASTM D5185(m)	<0.1	<1	<1
Vanadium	ppm	ASTM D5185(m)	<0.1	0	0
Fer	ppm	ASTM D5185(m)	<0.1	<1	<1
Calcium	ppm	ASTM D5185(m)	<0.1	<1	<1
Magnésium	ppm	ASTM D5185(m)	<0.1	<1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

Eau (KF)



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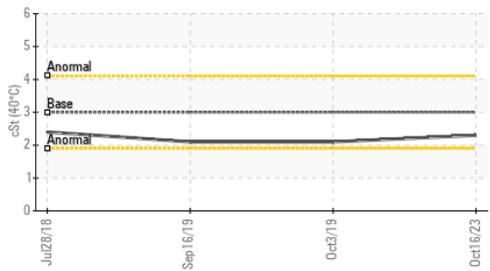
Coluer



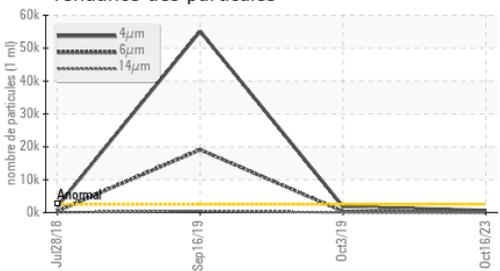
Fond



Viscosité 40°C



Tendance des particules



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : CU0019851
N° de laboratoire : **02593064**
Numéro unique : 5670143
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.