



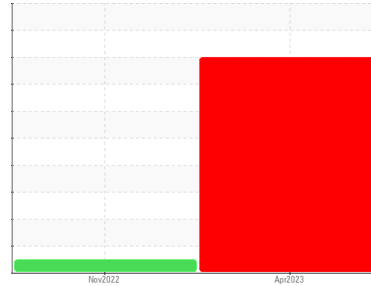
RAPPORT DU CARBURANT

Sample Rating Trend

ISO(LES NORMES)



Secteur
[89352]
 Identité de la machine
2WJ01536
 Composant
Carburant diesel
 Fluide
No.2 DIESEL FUEL (LOW-SULPHUR) (--- GAL)



DIAGNOSTIC

Recommendation

We advise that you check all areas where contaminants can enter the system. We advise that you filter this fluid before use. We advise that you follow the water drain-off procedure for this component. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation.

Corrosionne

(not applicable)

Contaminants

There is a high amount of particulates (2 to 100 microns in size) present in the fuel. Free water present. There is no bacteria or fungus (yeast and/or mold) present in the sample. Small amount of bacteria present. No reportable mold present. No reportable yeast present.

État Du Carburant

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			CU0020705	CU0019816	---
Date d'échant.	Client Info			10 Apr 2023	11 Nov 2022	---
Âge d la Machine	hrs	Client Info		141	139	---
Statut de l'échant.				SEVERE	NORMAL	---

PHYSICAL PROPERTIES		methode	limite/base	actuel	passé1	passé2
Densité		ASTM D1298*	0.839	0.825	0.826	---
Couleur du carburant	text	Visual Screen*	Yllow	Pink	Pink	---
Visc 40°C	cSt	ASTM D7279(m)	3.0	3.4	1.9	---
Point d'éclair Pensky-Martens	°C	ASTM D7215*	52	57.9	57.2	---

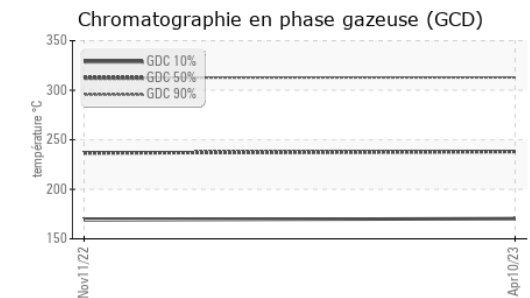
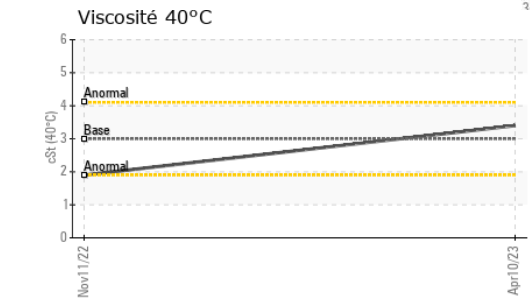
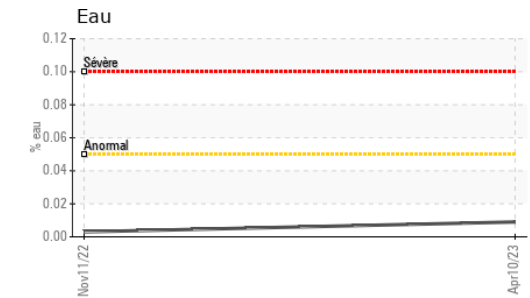
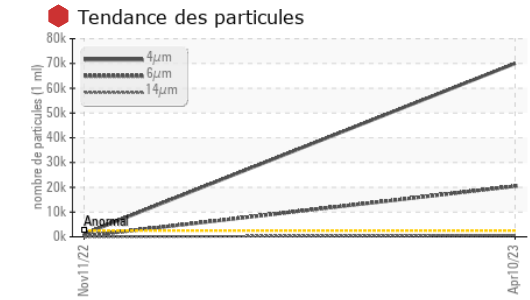
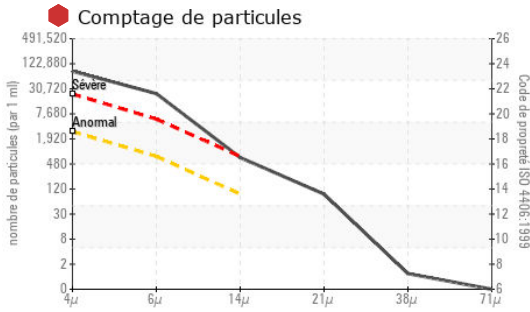
SULFUR CONTENT		methode	limite/base	actuel	passé1	passé2
Soufre	ppm	ASTM D5185(m)	250	504	495	---

DISTILLATION		methode	limite/base	actuel	passé1	passé2
Point d'ébullition initial	°C	ASTM D2887*	165	168	167	---
Point de distillation de 5%	°C	ASTM D2887*		184	183	---
Point de distillation de 10%	°C	ASTM D2887*	201	191	190	---
Point de distillation de 15%	°C	ASTM D2887*		197	196	---
Point de distillation de 20%	°C	ASTM D2887*	216	203	202	---
Point de distillation de 30%	°C	ASTM D2887*	230	214	213	---
Point de distillation de 40%	°C	ASTM D2887*	243	225	224	---
Point de distillation de 50%	°C	ASTM D2887*	255	236	235	---
Point de distillation de 60%	°C	ASTM D2887*	267	248	247	---
Point de distillation de 70%	°C	ASTM D2887*	280	260	259	---
Point de distillation de 80%	°C	ASTM D2887*	295	275	274	---
Point de distillation de 85%	°C	ASTM D2887*		284	284	---
Point de distillation de 90%	°C	ASTM D2887*	310	294	294	---
Point de distillation de 95%	°C	ASTM D2887*		309	308	---
Point d'ébullition final	°C	ASTM D2887*	341	323	333	---

IGNITION QUALITY		methode	limite/base	actuel	passé1	passé2
Densité API		ASTM D1298*	37.7	40	39	---
Indice de cétane		ASTM D4737*	<40.0	48	47	---

CONTAMINANTS		methode	limite/base	actuel	passé1	passé2
Silicium	ppm	ASTM D5185(m)	<1.0	0	0	---
Sodium	ppm	ASTM D5185(m)	<0.1	0	0	---
Potassium	ppm	ASTM D5185(m)	<0.1	<1	0	---
Eau	%	ASTM D6304*	<0.05	0.009	0.003	---
ppm d'eau	ppm	ASTM D6304*	<500	92.2	30.4	---

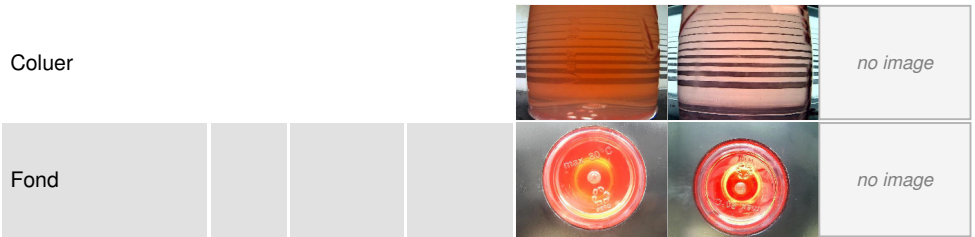
PROPRETÉ DU FLUIDE		methode	limite/base	actuel	passé1	passé2
Particules >4µ		ASTM D7647	>2500	70035	1132	---
Particules >6µ		ASTM D7647	>640	20465	296	---
Particules >14µ		ASTM D7647	>80	601	14	---
Particules >21µ		ASTM D7647	>20	80	3	---
Particules >38µ		ASTM D7647	>4	1	0	---
Particules >71µ		ASTM D7647	>3	0	0	---
Propreté de l'huile		ISO 4406 (c)	>18/16/13	23/22/16	17/15/11	---



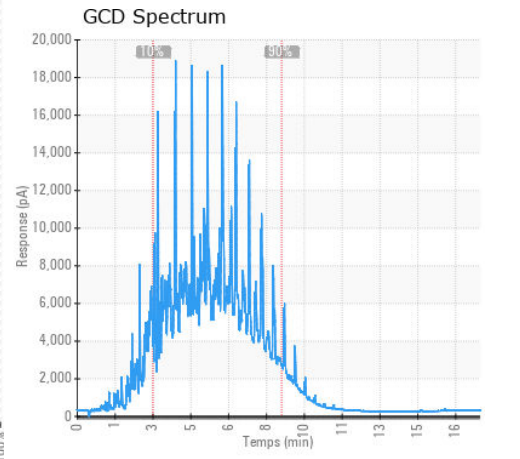
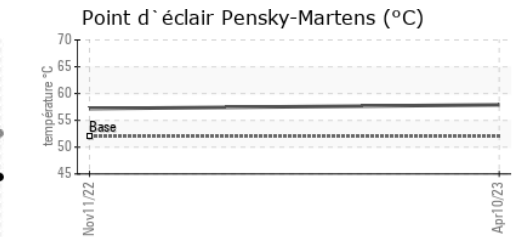
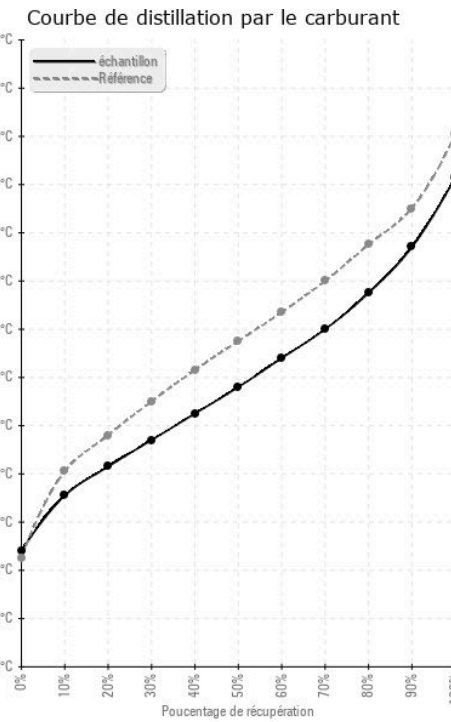
MICROBIAL	methode	limite/base	actuel	passé1	passé2
Bactéries	CFU/ml ASTM D6469*	>=100000	1000	---	---
Levures	CFU/ml ASTM D6469*	>=100000	0	---	---
Moississures	Colonies ASTM D6469*	MODER	▲ LIGHT	---	---

HEAVY METALS	methode	limite/base	actuel	passé1	passé2
Aluminium	ppm ASTM D5185(m)	<0.1	<1	0	---
Nickel	ppm ASTM D5185(m)	<0.1	0	0	---
Plomb	ppm ASTM D5185(m)	<0.1	<1	0	---
Vanadium	ppm ASTM D5185(m)	<0.1	0	0	---
Fer	ppm ASTM D5185(m)	<0.1	2	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	0	<1	---
Zinc	ppm ASTM D5185(m)	<0.1	<1	<1	---

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



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **CUMMINS EASTERN CANADA LP**
N° d'échantillon : CU0020705 **Reçu** : 12 Apr 2023 3189 SWANSEA CRESCENT
N° de laboratoire : 02550978 **Diagnostiqueur** : Kevin Marson OTTAWA, ON
Numéro unique : 5563993 **Diagnostiqueur** : Kevin Marson CA K1G 3W5
Analyse : FUEL (Additional Tests: Bacteria, CC Flash, GC-PercFuel, PrtCount) Contact: Cindy Harrison
 Pour discuter cette rapport, contacter le service à la clientèle au 1-800-268-2131. cindy.harrison@cummins.com
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. T: (613)736-1146
 La validez de los resultados y la interpretación se basan en la muestra y la información proporcionada. F: x: