

FUEL REPORT

Sample Rating Trend

NORMAL



Area
[6100237400]
Machine Id
MFQ 2253
Component
Diesel Fuel
Fluid
No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)



DIAGNOSIS

Recommendation

Les tests de laboratoire indiquent que ce carburant peut être utilisé et qu'il répond à toutes les exigences. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Corrosion

(sans objet)

Contaminants

La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La teneur en eau est négligeable. Il n'y a aucun indice de contamination dans le carburant diesel.

Fuel Condition

Tous les tests en laboratoire indiquent que cet échantillon répond aux spécifications du diesel n° 2 à basse teneur en soufre (US EPA/CGSB-3.7-3 type B).

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WA0019189	---	---
Sample Date	Client Info	11 Dec 2023	---	---
Machine Age	hrs Client Info	0	---	---
Sample Status		NORMAL	---	---

PHYSICAL PROPERTIES

method	limit/base	current	history1	history2	
Specific Gravity	ASTM D1298*	0.839	0.817	---	---
Fuel Color	text Visual Screen*	Yllow	Pink	---	---
Visc @ 40°C	cSt ASTM D7279(m)	3.0	1.6	---	---
Pensky-Martens Flash Point	°C ASTM D7215*	52	48	---	---

SULFUR CONTENT

method	limit/base	current	history1	history2	
Sulfur	ppm ASTM D5185(m)	10	16	---	---

DISTILLATION

method	limit/base	current	history1	history2	
Initial Boiling Point	°C ASTM D2887*	165	153	---	---
5% Distillation Point	°C ASTM D2887*		170	---	---
10% Distill Point	°C ASTM D2887*	201	176	---	---
15% Distillation Point	°C ASTM D2887*		182	---	---
20% Distill Point	°C ASTM D2887*	216	188	---	---
30% Distill Point	°C ASTM D2887*	230	199	---	---
40% Distill Point	°C ASTM D2887*	243	211	---	---
50% Distill Point	°C ASTM D2887*	255	222	---	---
60% Distill Point	°C ASTM D2887*	267	234	---	---
70% Distill Point	°C ASTM D2887*	280	246	---	---
80% Distill Point	°C ASTM D2887*	295	262	---	---
85% Distillation Point	°C ASTM D2887*		273	---	---
90% Distill Point	°C ASTM D2887*	310	284	---	---
95% Distillation Point	°C ASTM D2887*		301	---	---
Final Boiling Point	°C ASTM D2887*	341	336	---	---

IGNITION QUALITY

method	limit/base	current	history1	history2	
API Gravity	ASTM D1298*	37.7	41	---	---
Cetane Index	ASTM D4737*	<40.0	47	---	---

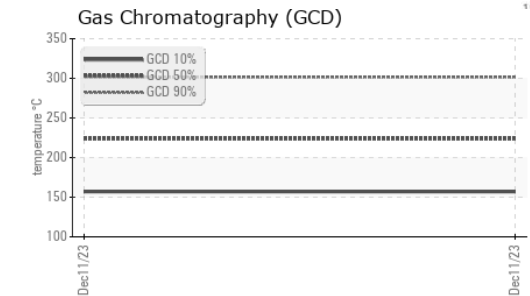
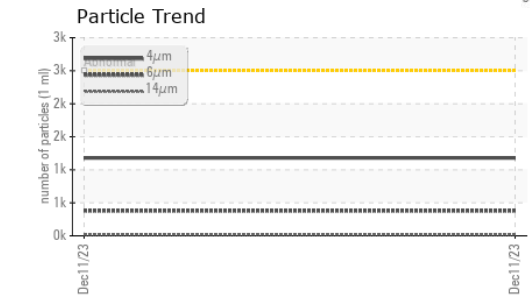
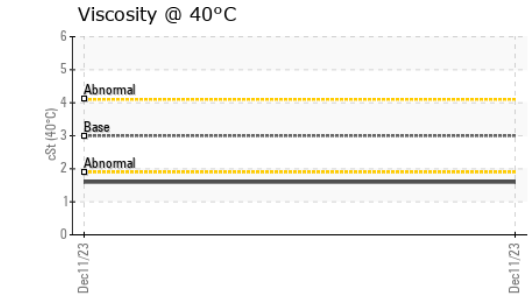
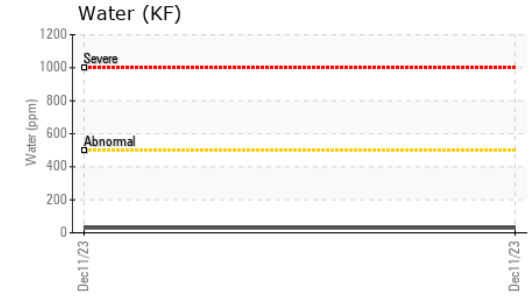
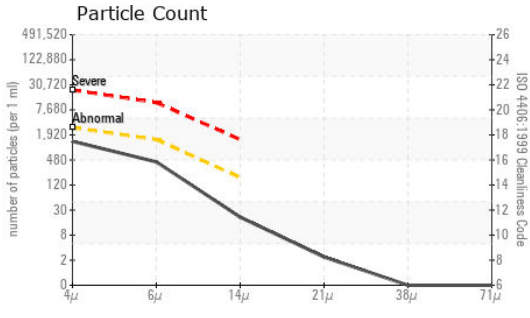
CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm ASTM D5185(m)	<1.0	0	---	---
Sodium	ppm ASTM D5185(m)	<0.1	<1	---	---
Potassium	ppm ASTM D5185(m)	<0.1	0	---	---
ppm Water	ppm ASTM D6304*	<500	30	---	---

FLUID CLEANLINESS

method	limit/base	current	history1	history2	
Particles >4µm	ASTM D7647	>2500	1178	---	---
Particles >6µm	ASTM D7647	>1300	380	---	---
Particles >14µm	ASTM D7647	>160	18	---	---
Particles >21µm	ASTM D7647	>40	2	---	---
Particles >38µm	ASTM D7647	>10	0	---	---
Particles >71µm	ASTM D7647	>3	0	---	---
Oil Cleanliness	ISO 4406 (c)	>18/17/14	17/16/11	---	---

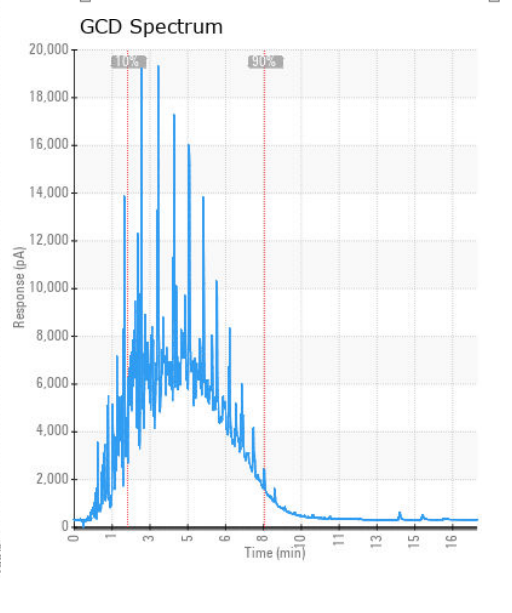
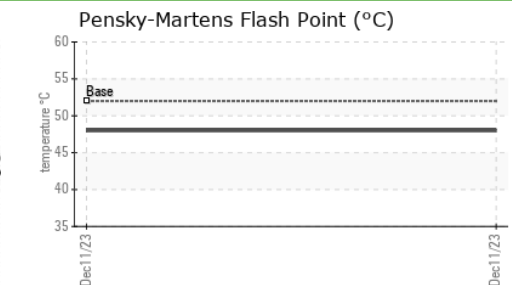
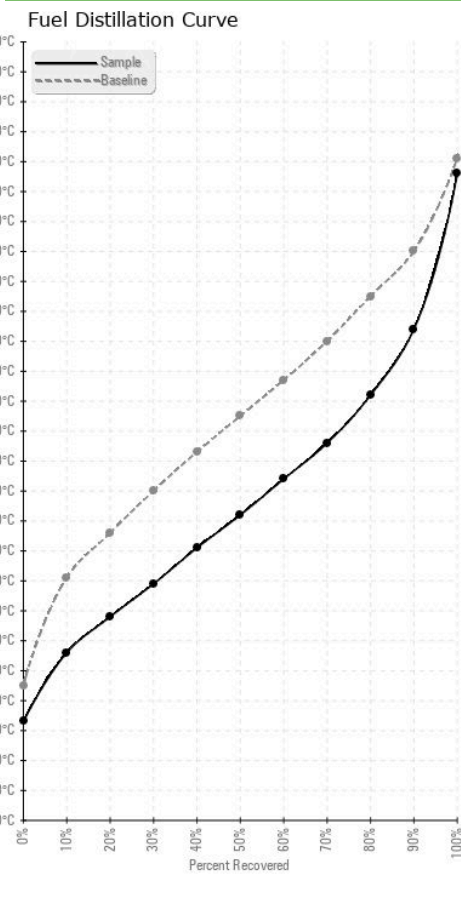
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HEAVY METALS	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)	<0.1	0	---
Nickel	ppm	ASTM D5185(m)	<0.1	0	---
Lead	ppm	ASTM D5185(m)	<0.1	0	---
Vanadium	ppm	ASTM D5185(m)	<0.1	0	---
Iron	ppm	ASTM D5185(m)	<0.1	0	---
Calcium	ppm	ASTM D5185(m)	<0.1	2	---
Magnesium	ppm	ASTM D5185(m)	<0.1	<1	---
Phosphorus	ppm	ASTM D5185(m)	<0.1	2	---
Zinc	ppm	ASTM D5185(m)	<0.1	1	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0019189 **Received** : 11 Jan 2024
Lab Number : 02608328 **Diagnosed** : 18 Jan 2024
Unique Number : 5709414 **Diagnostician** : Bill Quesnel
Test Package : FUEL (Additional Tests: CC Flash, GC-PercFuel, PrtCount)

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

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