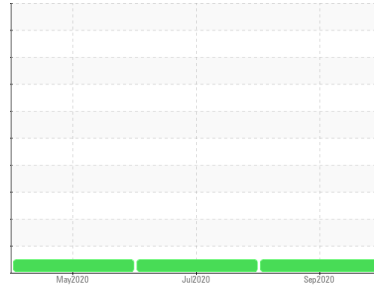




# FUEL REPORT

Sample Rating Trend

**NORMAL**



Area  
**(CGLQE)**  
Machine Id  
**[CGLQE] DHC-8-Q400 4140**  
Component  
**Left Jet Fuel**  
Fluid  
**JET FUEL Type A (--- GAL)**

## DIAGNOSIS

### Recommendation

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

### Wear

{not applicable}

### Contamination

There is no Bacteria, Yeast and/or Fungus present in the sample. The water content is negligible. There is no indication of any contamination in the jet fuel.

### Fluid Condition

All laboratory tests indicate that this sample appears to be Jet Fuel Type A.

SAMPLE INFORMATION		method	limit/base	current	history 1	history 2
Sample Number				<b>WC0501733</b>	WC0481055	WC0464898
Sample Date				<b>16 Sep 2020</b>	16 Jul 2020	12 May 2020
Machine Age	kms			<b>0</b>	0	0
Oil Age	kms			<b>0</b>	0	0
Oil Changed				<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

PHYSICAL PROPERTIES		method	limit/base	current	history 1	history 2
Specific Gravity		ASTM D1298		<b>0.815</b>	0.816	0.816
Fuel Color	text	Visual Screen		<b>Clear</b>	Clear	Clear
Visc @ 40°C	cSt	ASTM D7279(m)	<8.0	<b>1.2</b>	1.3	1.3
Pensky-Martens Flash Point	°C	ASTM D93	38	<b>39</b>	46	45
Pour Point	°C	ASTM D97	-45	<b>-69</b>	-54	-54

SULFUR CONTENT		method	limit/base	current	history 1	history 2
Sulfur	ppm	ASTM D5185(m)	<3000	<b>30</b>	30	59

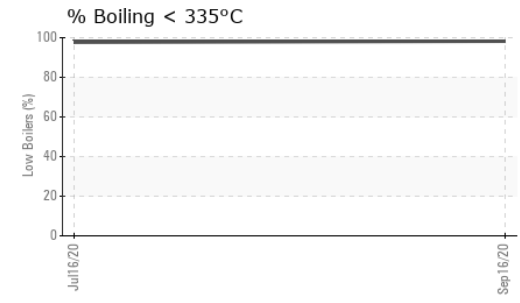
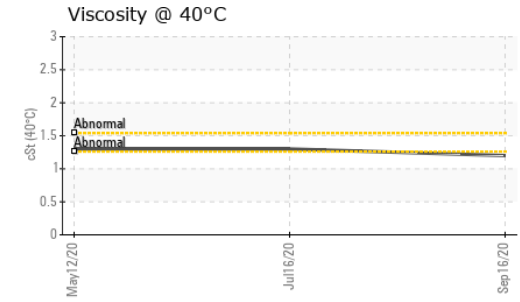
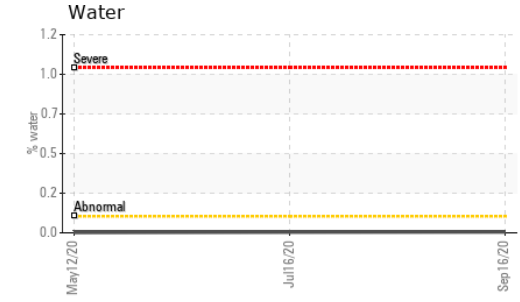
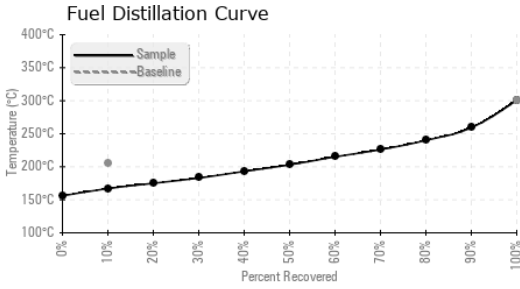
DISTILLATION		method	limit/base	current	history 1	history 2
Initial Boiling Point	°C	ASTM D2887		<b>156</b>	156	143
5% Distillation Point	°C	ASTM D2887		<b>164</b>	164	162
10% Distill Point	°C	ASTM D2887	205	<b>167</b>	167	165
15% Distillation Point	°C	ASTM D2887		<b>171</b>	171	169
20% Distill Point	°C	ASTM D2887		<b>175</b>	174	173
30% Distill Point	°C	ASTM D2887		<b>183</b>	183	179
40% Distill Point	°C	ASTM D2887		<b>193</b>	193	189
50% Distill Point	°C	ASTM D2887		<b>203</b>	203	200
60% Distill Point	°C	ASTM D2887		<b>215</b>	214	212
70% Distill Point	°C	ASTM D2887		<b>226</b>	225	225
80% Distill Point	°C	ASTM D2887		<b>240</b>	240	239
85% Distillation Point	°C	ASTM D2887		<b>250</b>	250	247
90% Distill Point	°C	ASTM D2887		<b>259</b>	260	256
95% Distillation Point	°C	ASTM D2887		<b>275</b>	276	270
Final Boiling Point	°C	ASTM D2887	300	<b>301</b>	314	282
Distillation Residue	%	ASTM D86(e)	1.5	<b>---</b>	---	1.2
Distillation Loss	%	ASTM D86(e)	1.5	<b>---</b>	---	0.8

IGNITION QUALITY		method	limit/base	current	history 1	history 2
API Gravity		ASTM D1298	44	<b>---</b>	---	41.9
Cetane Value		ASTM D4737	<40.0	<b>41</b>	41	40.7

CONTAMINANTS		method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185(m)	<1.0	<b>&lt;1</b>	<1	0
Sodium	ppm	ASTM D5185(m)	<0.1	<b>&lt;1</b>	<1	<1
Potassium	ppm	ASTM D5185(m)	<0.1	<b>&lt;1</b>	0	<1
Water	%	ASTM D6304	<0.05	<b>0.005</b>	0.004	0.002
ppm Water	ppm	ASTM D6304	<500	<b>55.3</b>	44.5	20.1



# FUEL REPORT



MICROBIAL	method	limit/base	current	history 1	history 2	
Bacteria	colonies	WC-Method	None	<b>0</b>	0	0
Yeast	cfu/ml	WC-Method	None	<b>0</b>	0	0
Mold	cfu/ml	WC-Method	None	<b>NONE</b>	NONE	NONE

HEAVY METALS	method	limit/base	current	history 1	history 2	
Aluminum	ppm	ASTM D5185(m)	<0.1	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185(m)	<0.1	<b>0</b>	0	0
Lead	ppm	ASTM D5185(m)	<0.1	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185(m)	<0.1	<b>0</b>	0	0
Iron	ppm	ASTM D5185(m)	<0.1	<b>&lt;1</b>	<1	<1
Calcium	ppm	ASTM D5185(m)	<0.1	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)	<0.1	<b>&lt;1</b>	0	0
Phosphorus	ppm	ASTM D5185(m)	<0.1	<b>&lt;1</b>	0	0
Zinc	ppm	ASTM D5185(m)	<0.1	<b>&lt;1</b>	<1	0

SAMPLE IMAGES	method	limit/base	current	history 1	history 2
Color			no image		
Bottom			no image		



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC1234567      **Received** : 21 Sep 2020  
**Lab Number** : **01234567**      **Diagnosed** : 23 Sep 2020  
**Unique Number** : 12345678      **Diagnostician** : Kevin Marson  
**Test Package** : FUEL ( Additional Tests: API, Bacteria, CC Flash, Cetane, GasChr, GC-PercFuel )  
 To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 (m) Denotes a modified test method, (e) Denotes a test conducted using an external laboratory.

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