



FUEL REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

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

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number				WC0501733	WC0481055	WC0464898
Sample Date				16 Sep 2020	16 Jul 2020	12 May 2020
Machine Age	kms			0	0	0
Oil Age	kms			0	0	0
Filter Age	kms			0	0	0
Oil Changed				N/A	N/A	N/A
Filter Changed				N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

{not applicable}

Aluminum	ppm	ASTM D5185(m)	<0.1	0	<1	0
Nickel	ppm	ASTM D5185(m)	<0.1	0	0	0
Lead	ppm	ASTM D5185(m)	<0.1	0	<1	0
Vanadium	ppm	ASTM D5185(m)	<0.1	0	0	0
Iron	ppm	ASTM D5185(m)	<0.1	<1	<1	<1

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.

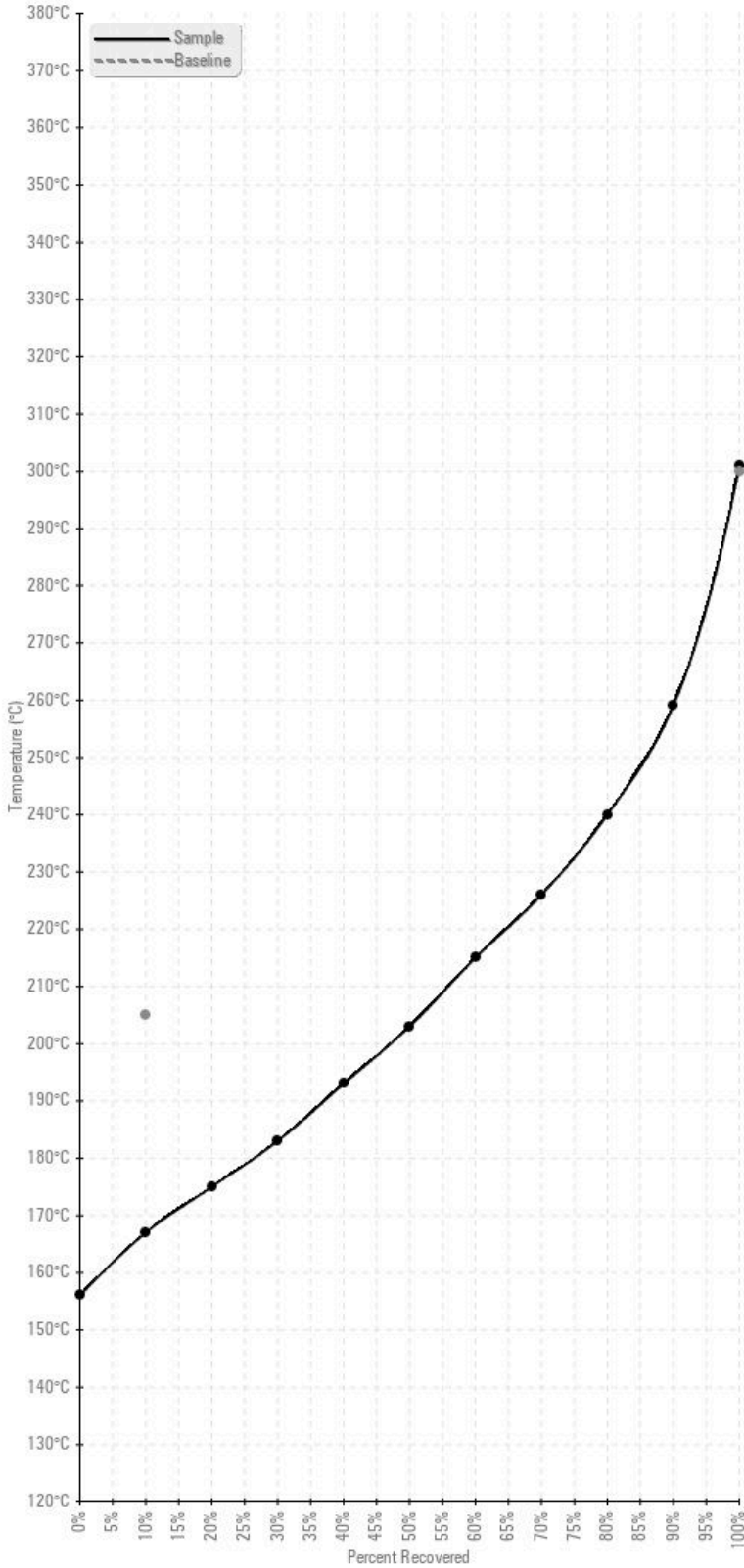
Silicon	ppm	ASTM D5185(m)	<1.0	<1	<1	0
Sodium	ppm	ASTM D5185(m)	<0.1	<1	<1	<1
Potassium	ppm	ASTM D5185(m)	<0.1	<1	0	<1
Water	%	ASTM D6304	<0.05	0.005	0.004	0.002
ppm Water	ppm	ASTM D6304	<500	55.3	44.5	20.1
Bacteria	colonies	WC-Method	None	0	0	0
Yeast	cfu/ml	WC-Method	None	0	0	0
Mold	cfu/ml	WC-Method	None	NONE	NONE	NONE
Calcium	ppm	ASTM D5185(m)	<0.1	0	0	0
Magnesium	ppm	ASTM D5185(m)	<0.1	<1	0	0
Phosphorus	ppm	ASTM D5185(m)	<0.1	<1	0	0
Zinc	ppm	ASTM D5185(m)	<0.1	<1	<1	0

FLUID CONDITION

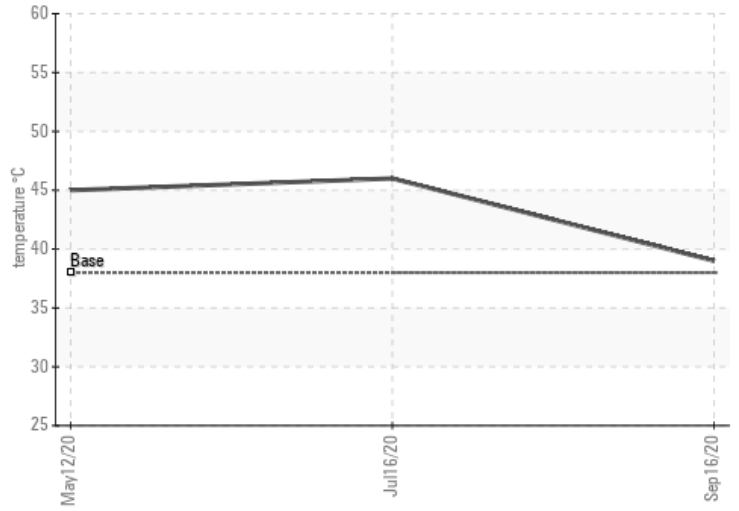
All laboratory tests indicate that this sample appears to be Jet Fuel Type A.

Specific Gravity		ASTM D1298		0.815	0.816	0.816
Fuel Color	text	Visual Screen		Clear	Clear	Clear
Visc @ 40°C	cSt	ASTM D7279(m)	<8.0	1.2	1.3	1.3
Pensky-Martens Flash Point	°C	ASTM D93	38	39	46	45
Pour Point	°C	ASTM D97	-45	-69	-54	-54
Sulfur	ppm	ASTM D5185(m)	<3000	30	30	59
Initial Boiling Point	°C	ASTM D2887		156	156	143
10% Distill Point	°C	ASTM D2887	205	167	167	165
20% Distill Point	°C	ASTM D2887		175	174	173
30% Distill Point	°C	ASTM D2887		183	183	179
40% Distill Point	°C	ASTM D2887		193	193	189
50% Distill Point	°C	ASTM D2887		203	203	200
60% Distill Point	°C	ASTM D2887		215	214	212
70% Distill Point	°C	ASTM D2887		226	225	225
80% Distill Point	°C	ASTM D2887		240	240	239
90% Distill Point	°C	ASTM D2887		259	260	256
Final Boiling Point	°C	ASTM D2887	300	301	314	282
Distillation Residue	%	ASTM D86(e)	1.5	---	---	1.2
Distillation Loss	%	ASTM D86(e)	1.5	---	---	0.8
API Gravity		ASTM D1298	44	---	---	41.9
Cetane Value		ASTM D4737	<40.0	41	41	40.7

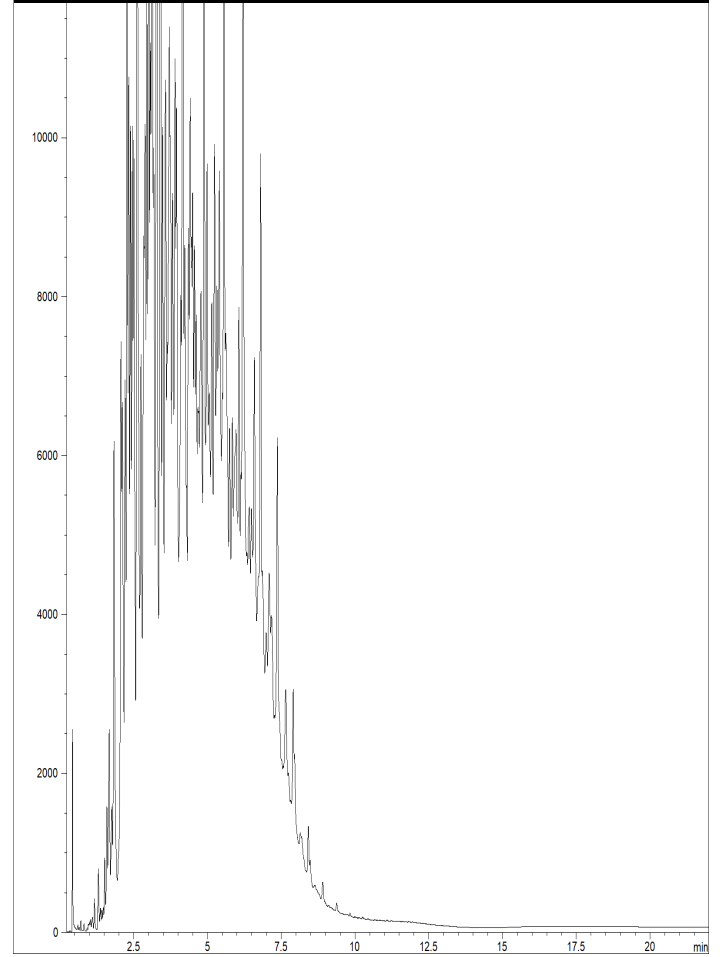
Fuel Distillation Curve



Pensky-Martens Flash Point (°C)



Gas Chromatogram



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.

Cusany Logistics Inc.
 1212 Industrial Place
 Centerville, OH
 USA 75900
 Contact: Jim Leduc
 jim.leduc@cusanylogisticsinc.com
 T: (305)555-1212
 F: (305)555-1222