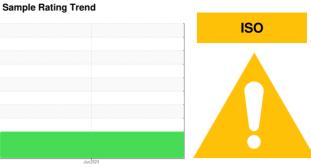


FUEL REPORT



Machine Id

LIFE FLIGHT JET TANK

Component Jet Fuel

JET FUEL Type A (--- QTS)

DIAGNOSIS

Recommendation

We advise that you filter this fluid before use. All laboratory tests indicate that this sample meets specifications for Jet-A fuel.

All metal levels are normal indicating no corrosion in the system.

Contamination

There is a high amount of particulates present in the fuel. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. The water content is negligible.

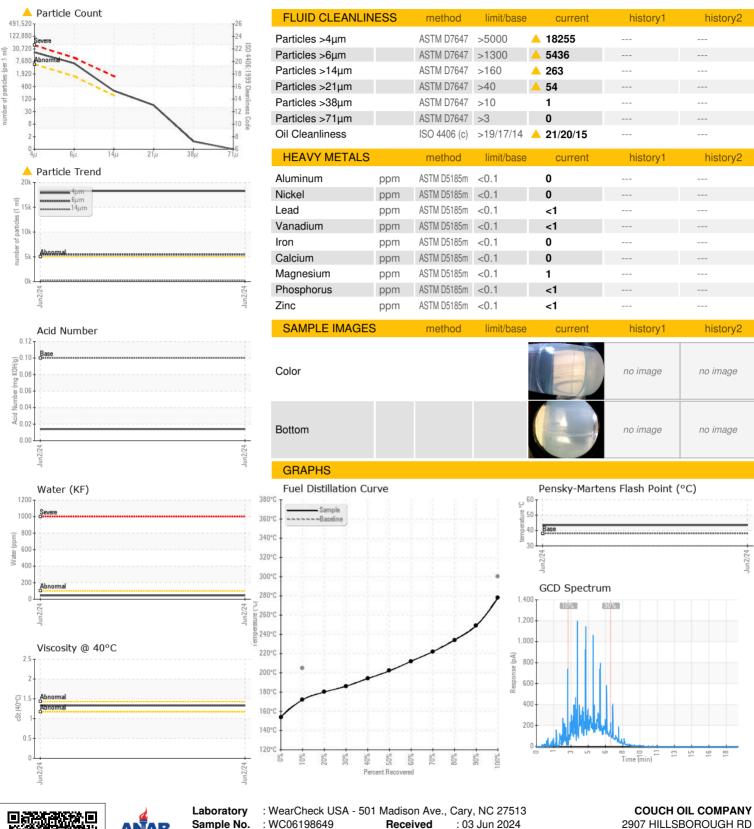
Fluid Condition

The sulfur level is acceptable for this fluid. The AN level is acceptable for this fluid. The condition of the fuel is suitable for further service. ASTM D5453 method for ULSD validation not applicable.

				Jun 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06198649		
Sample Date		Client Info		02 Jun 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		0.801		
Fuel Color	text	*Visual Screen		Clear		
ASTM Color	scalar	*ASTM D1500		L0.5		
Visc @ 40°C	cSt	ASTM D445	<8.0	1.33		
Pensky-Martens Flash Point	°C	*PMCC Calculated	38	43.5		
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	<3000	414		
Sulfur (UVF)	ppm	ASTM D5453	10000	308		
, ,	ррпп					
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		154		
5% Distillation Point	°C	ASTM D86		167		
10% Distill Point	°C	ASTM D86	205	172		
15% Distillation Point	°C	ASTM D86		176		
20% Distill Point	°C	ASTM D86		180		
30% Distill Point	°C	ASTM D86		186		
40% Distill Point	°C	ASTM D86		194		
50% Distill Point	°C	ASTM D86		202		
60% Distill Point	°C	ASTM D86		212		
70% Distill Point	°C	ASTM D86		222		
80% Distill Point	°C	ASTM D86		234		
85% Distillation Point	°C	ASTM D86		241		
90% Distill Point	°C	ASTM D86		249		
95% Distillation Point	°C	ASTM D86		262		
Final Boiling Point	°C	ASTM D86	300	278		
Distillation Residue	%	ASTM D86	1.5	1.2		
Distillation Loss	%	ASTM D86	1.5	0.7		
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	44	45.2		
Cetane Index		ASTM D4737	<40.0	46.9		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<1		
Sodium	ppm	ASTM D5185m	<0.1	0		
Potassium	ppm	ASTM D5185m	<0.1	2		
Water	%	ASTM D6304	< 0.05	0.004		
ppm Water	ppm	ASTM D6304	< 500	45		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



FUEL REPORT





Sample No.

Lab Number : 06198649

: WC06198649

Unique Number : 11060772

Received **Tested** Diagnosed

: 11 Jun 2024

: 11 Jun 2024 - Doug Bogart

2907 HILLSBOROUGH RD DURHAM, NC US 27705

Test Package : DF-2 (Additional Tests: API, CC Flash, Cetane, Color-ASTM, Fuel, GC-PercFuel, GCD, ICP, KF, CK MACAET: JESSE BROWN Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. jesse@couchoilcompany.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (919)285-5408