

## **FUEL REPORT**

Sample Rating Trend

DIRT

## BOBCAT T590 BOBCAT T590 Component

**Diesel Fuel** 

### No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)

#### DIAGNOSIS

#### Recommendation

We advise that you filter this fluid before use. We recommend you service the filters on this component. Resample at the next service interval to monitor.

#### Corrosion

{not applicable}

#### Contaminants

There is a light amount of silt (particulates < 14 microns in size) present in the fuel. The water content is negligible. NOTE: The silicon level is much higher than typical and it is believed to be from either process contamination or a supplemental additive, advise investigate.

#### **Fuel Condition**

All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel (US EPA/CGSB-3.517-3 type B).

				Jan2024		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0899620		
Sample Date		Client Info		08 Jan 2024		
Machine Age	hrs	Client Info		0		
Sample Status				ABNORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	0.821		
Fuel Color	text	Visual Screen*	Yllow	Yllow		
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.3		
Pensky-Martens Flash Point	°C	ASTM D7215*	52	54.4		
SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	7		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	164		
5% Distillation Point	°C	ASTM D2887*		186		
10% Distill Point	°C	ASTM D2887*	201	195		
15% Distillation Point	°C	ASTM D2887*		202		
20% Distill Point	°C	ASTM D2887*	216	209		
30% Distill Point	°C	ASTM D2887*	230	223		
40% Distill Point	°C	ASTM D2887*	243	237		
50% Distill Point	°C	ASTM D2887*	255	251		
60% Distill Point	°C	ASTM D2887*	267	265		
70% Distill Point	°C	ASTM D2887*	280	279		
80% Distill Point	°C	ASTM D2887*	295	294		
35% Distillation Point	°C	ASTM D2887*		304		
90% Distill Point	°C	ASTM D2887*	310	315		
95% Distillation Point	°C	ASTM D2887*		336		
Final Boiling Point	°C	ASTM D2887*	341	371		
IGNITION QUALIT	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	40		
Cetane Index		ASTM D4737*	<40.0	53		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1.0	<u> </u>		
Sodium	ppm	ASTM D5185(m)	<0.1	<1		
Potassium	ppm	ASTM D5185(m)	<0.1	2		
Water	%	ASTM D6304*	<0.05	0.00		
opm Water	ppm	ASTM D6304*	<500	0		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
			0500	<b>4048</b>		
1		ASTM D7647	>2500			
Particles >6µm		ASTM D7647 ASTM D7647	>640	<b>a</b> 854		
Particles >6μm Particles >14μm		ASTM D7647 ASTM D7647	>640 >80	▲ 854 33		
Particles >6μm Particles >14μm Particles >21μm		ASTM D7647 ASTM D7647 ASTM D7647	>640 >80 >20	854 33 7		
Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm		ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>640 >80 >20 >4	▲ 854 33 7 1		
Particles >6μm Particles >14μm Particles >21μm		ASTM D7647 ASTM D7647 ASTM D7647	>640 >80 >20	854 33 7		

Contact/Location: Kelby . - ABCGAT



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