

FUEL REPORT

Sample Rating Trend

NORMAL

Machine Id

Diesel Fuel Fluid

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- QTS)

DIAGNOSIS

Recommendation

Laboratory test indicate that this fuel is suitable for use and meets all test requirements.

Corrosion

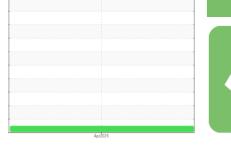
All metal levels are normal indicating no corrosion in the cooling system.

Contaminants

The amount and size of particulates present in the system are acceptable.

Fuel Condition

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

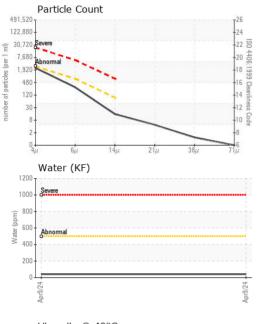


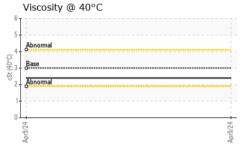


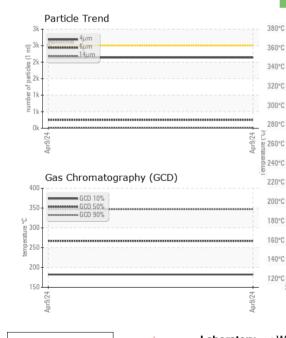
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06145513		
Sample Date		Client Info		09 Apr 2024		
Machine Age	hrs	Client Info		0		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Fuel Color	text	*Visual Screen	Yllow	Red		
ASTM Color	scalar	*ASTM D1500		L4.5		
Visc @ 40°C	cSt	ASTM D445	3.0	2.4		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	60.4		
SULFUR CONTER	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0		
Sulfur (UVF)	ppm	ASTM D5453		12		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	171		
5% Distillation Point	°C	ASTM D86		194		
10% Distill Point	°C	ASTM D86	201	204		
15% Distillation Point	°C	ASTM D86		212		
20% Distill Point	°C	ASTM D86	216	221		
30% Distill Point	°C	ASTM D86	230	236		
40% Distill Point	°C	ASTM D86	243	249		
50% Distill Point	°C	ASTM D86	255	263		
60% Distill Point	°C	ASTM D86	267	276		
70% Distill Point	°C	ASTM D86	280	289		
80% Distill Point	°C	ASTM D86	295	304		
85% Distillation Point	°C	ASTM D86		315		
90% Distill Point	°C	ASTM D86	310	326		
95% Distillation Point	°C	ASTM D86		344		
Final Boiling Point	°C	ASTM D86	341	358		
IGNITION QUALI	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	37		
Cetane Index		ASTM D4737	<40.0	49		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<1		
Sodium	ppm	ASTM D5185m	<0.1	1		
Potassium	ppm	ASTM D5185m	<0.1	0		
Water	%	ASTM D6304	< 0.05	0.004		
ppm Water	ppm	ASTM D6304	<500	41		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



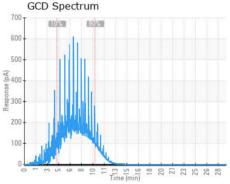
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FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2			
Particles >4µm		ASTM D7647	>2500	2137					
Particles >6µm		ASTM D7647	>640	250					
Particles >14µm		ASTM D7647	>80	13					
Particles >21µm		ASTM D7647	>20	4					
Particles >38µm		ASTM D7647	>4	1					
Particles >71µm		ASTM D7647	>3	0					
Oil Cleanliness		ISO 4406 (c)	>18/16/13	18/15/11					
HEAVY METALS		method	limit/base	current	history1	history2			
Aluminum	ppm	ASTM D5185m	<0.1	0					
Nickel	ppm	ASTM D5185m	<0.1	0					
Lead	ppm	ASTM D5185m	<0.1	0					
Vanadium	ppm	ASTM D5185m	<0.1	<1					
Iron	ppm	ASTM D5185m	<0.1	0					
Calcium	ppm	ASTM D5185m	<0.1	0					
Magnesium	ppm	ASTM D5185m	<0.1	0					
Phosphorus	ppm	ASTM D5185m	<0.1	<1					
Zinc	ppm	ASTM D5185m	<0.1	0					
SAMPLE IMAGES	3	method	limit/base	current	history1	history2			
Color					no image	no image			
Bottom					no image	no image			
GRAPHS									
Fuel Distillation Curve Pensky-Martens Flash Point (°C)									
Sample			ې د	10 T					
)°CBaseline			temperature °	· · · · · · · · · · · · · · · · · · ·					
)°C			/1 m	Base					
)°C -				Apr9/24		9/24 -			
				Apr		Anr			





COUCH OIL COMPANY Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 2907 HILLSBOROUGH RD Sample No. : WC06145513 Received : 10 Apr 2024 Lab Number : 06145513 Tested : 26 Apr 2024 DURHAM, NC : 26 Apr 2024 - Angela Borella Unique Number : 10970321 Diagnosed US 27705 Test Package : DF-2 (Additional Tests: Fuel, Screen) Contact: JESSE BROWN Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. jesse@couchoilcompany.com T: (919)285-5408 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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> Perce nt Recovered

20%

Report Id: COUDUR [WUSCAR] 06145513 (Generated: 04/26/2024 17:31:07) Rev: 1

Contact/Location: JESSE BROWN - COUDUR

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