

FUEL REPORT

Sample Rating Trend

Machine Id

CUMMINS GEN 1 - UVA COMMUNITY HEALTH

Tank Diesel Fuel

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

DIAGNOSIS

Recommendation

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

Corrosion

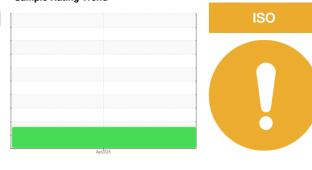
All metal levels are normal indicating no corrosion in the cooling system.

Contaminants

There is a moderate amount of particulates present in the fuel. The water content is negligible.

Fuel Condition

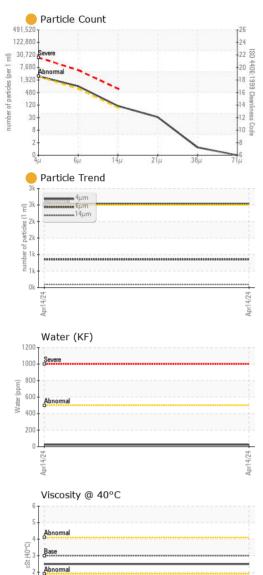
All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel (US EPA/CGSB-3.517-3 type B).



SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		DC0030156		
Sample Date		Client Info		14 Apr 2024		
Machine Age	hrs	Client Info		0		
Sample Status				ATTENTION		
PHYSICAL PROF	PERTIES	method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		L4.5		
Visc @ 40°C	cSt	ASTM D445	3.0	2.49		
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0		
Sulfur (UVF)	ppm	ASTM D5453		14		
IGNITION QUALI	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	36.4		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0		
Sodium	ppm	ASTM D5185m	<0.1	<1		
Potassium	ppm	ASTM D5185m	<0.1	0		
Water	%	ASTM D6304	< 0.05	0.002		
ppm Water	ppm	ASTM D6304	<500	23		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	e 2526		
Particles >6µm		ASTM D7647	>640	 850		
Particles >14µm		ASTM D7647	>80	96		
Particles >21µm		ASTM D7647	>20	28		
Particles >38µm		ASTM D7647	>4	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	e 19/17/14		
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	0		
Iron	ppm	ASTM D5185m	<0.1	0		
Calcium	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m	<0.1	0		
Phosphorus	ppm	ASTM D5185m	<0.1	0		
Zinc	ppm	ASTM D5185m	<0.1	0		



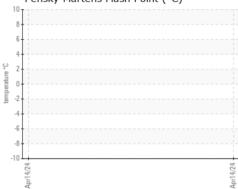
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SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image
GRAPHS					

Pensky-Martens Flash Point (°C)



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **JE RICHARDS** Sample No. : DC0030156 Received 4600 HARGROVE DR : 15 Apr 2024 Lab Number : 06149233 Tested : 26 Apr 2024 LANHAM, MD US 20706 Unique Number : 10979311 Diagnosed : 26 Apr 2024 - Angela Borella Test Package : DF-5 (Additional Tests: API, Cetane, Fuel, Screen) Contact: E. NOEL Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. enoel@phalconusa.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (240)623-4398 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

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