

FUEL REPORT

Sample Rating Trend

ISO

Machine Id

CUMMINS PEAKL CLT (S/N D110203732)

Diesel Fuel

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (

DIAGNOSIS

Recommendation

We advise that you filter this fluid before use. All other laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel

Corrosion

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

Contaminants

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

Fuel Condition

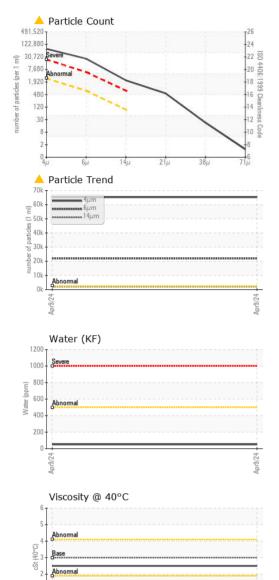
Sulfur value derived by ASTM D5453 method for ULSD validation. Sulfur level is acceptable for ULSD specification.

R) (GAL)				Apr2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0901691		
Sample Date		Client Info		09 Apr 2024		
Machine Age	hrs	Client Info		0		
Sample Status				ABNORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		L5.0		
Visc @ 40°C	cSt	ASTM D445	3.0	2.5		
SULFUR CONTEN	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0		
Sulfur (UVF)	ppm	ASTM D5453		12		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon			<1.0	<1		111000172
Sodium	ppm	ASTM D5185m	<0.1	1		
Potassium	ppm	ASTM D5185m	<0.1	0		
Water	%	ASTM D6304	<0.05	0.005		
ppm Water	ppm	ASTM D6304	<500	51		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	△ 65238		
Particles >6µm		ASTM D7647	>640	<u>^</u> 21941		
Particles >14μm		ASTM D7647	>80	2025		
Particles >21µm		ASTM D7647	>20	<u> </u>		
Particles >38μm		ASTM D7647	>4	<u> </u>		
Particles >71μm		ASTM D7647	>3	1		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	23/22/18		
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		<1		
Iron	ppm	ASTM D5185m	<0.1	0		
Calcium	ppm	ASTM D5185m	<0.1	1		
Magnesium	ppm	ASTM D5185m	<0.1	0		
Phosphorus	ppm	ASTM D5185m	<0.1	<1		
Zinc	ppm	ASTM D5185m	<0.1	0		
SAMPLE IMAGES	5	method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image

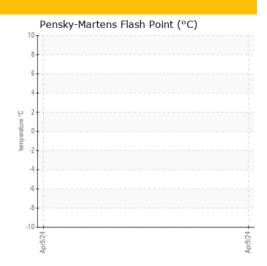
Contact/Location: RALPH DICKSON IV - DICSHENC



FUEL REPORT



GRAPHS





Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0901691 Lab Number : 06143487 Unique Number : 10968295

Test Package : DF-5 (Additional Tests: Screen)

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Received **Tested** Diagnosed

: 09 Apr 2024 : 16 Apr 2024

: 16 Apr 2024 - Doug Bogart

SHELBY, NC US 28150 Contact: RALPH DICKSON IV

828 S WASHINGTON STREET

DICKSON AUTO PARTS

ralph_dickson@dicksonap.com T: (704)860-7894

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: DICSHENC [WUSCAR] 06143487 (Generated: 04/17/2024 17:54:56) Rev: 1

Contact/Location: RALPH DICKSON IV - DICSHENC