

FUEL REPORT

Sample Rating Trend





Machine Id VOLVO L35G 3424037 Component Diesel Fuel

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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel.

Corrosion

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

Contaminants

The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. There is no indication of any contamination in the fuel. The amount and size of particulates present in the system are acceptable.

Fuel Condition

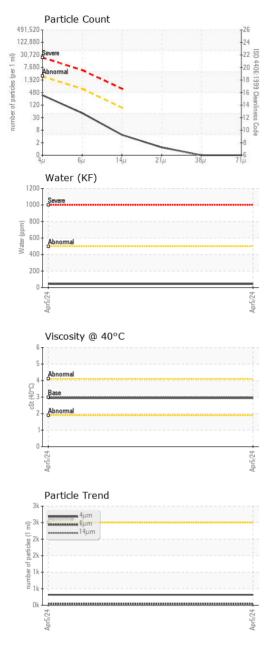
Sulfur value derived by ASTM D5453 method for ULSD validation. Sulfur level is acceptable for ULSD specification.

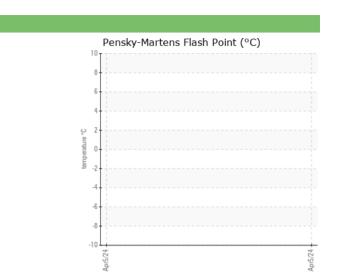
SAMPLE INFORM	NATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06150859		
Sample Date		Client Info		05 Apr 2024		
Machine Age	hrs	Client Info		5878		
Sample Status				NORMAL		
PHYSICAL PROF	PERTIES	method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		L4.0		
Visc @ 40°C	cSt	ASTM D445	3.0	2.94		
SULFUR CONTE	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
					Thistory I	nistory2
Silicon	ppm	ASTM D5185m	<1.0	0		
Sodium	ppm	ASTM D5185m	<0.1	2		
Potassium	ppm	ASTM D5185m	<0.1	12		
Water	%	ASTM D6304	<0.05	0.004		
ppm Water	ppm	ASTM D6304	<500	43		
% 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	317		
Particles >6µm		ASTM D7647	>640	44		
Particles >14µm		ASTM D7647	>80	4		
Particles >21µm		ASTM D7647	>20	1		
Particles >38µm		ASTM D7647	>4	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	15/13/9		
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	<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	5	method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image

Page 1 of 2



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Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 APEX OIL LAB Sample No. : WC06150859 3956 44th STREET SE Received : 16 Apr 2024 Lab Number : 06150859 Tested : 22 Apr 2024 GRAND RAPIDS, MI Unique Number : 10980937 Diagnosed : 22 Apr 2024 - Doug Bogart US 49512 Test Package : DF-5 (Additional Tests: Screen) Contact: JASON RAINEY Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. jrainey@apexoillab.com T: (616)328-6672 * - 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) F: (616)828-1791

Contact/Location: JASON RAINEY - APEGRA

Page 2 of 2