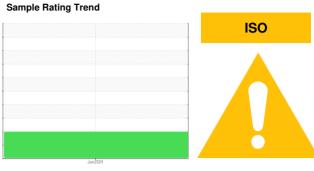


FUEL REPORT

Area **EAVIRT**Machine Id **275 HARTZ MT1**

Diesel Fuel

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



DIAGNOSIS

Recommendation

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

Corrosion

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

Contaminants

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

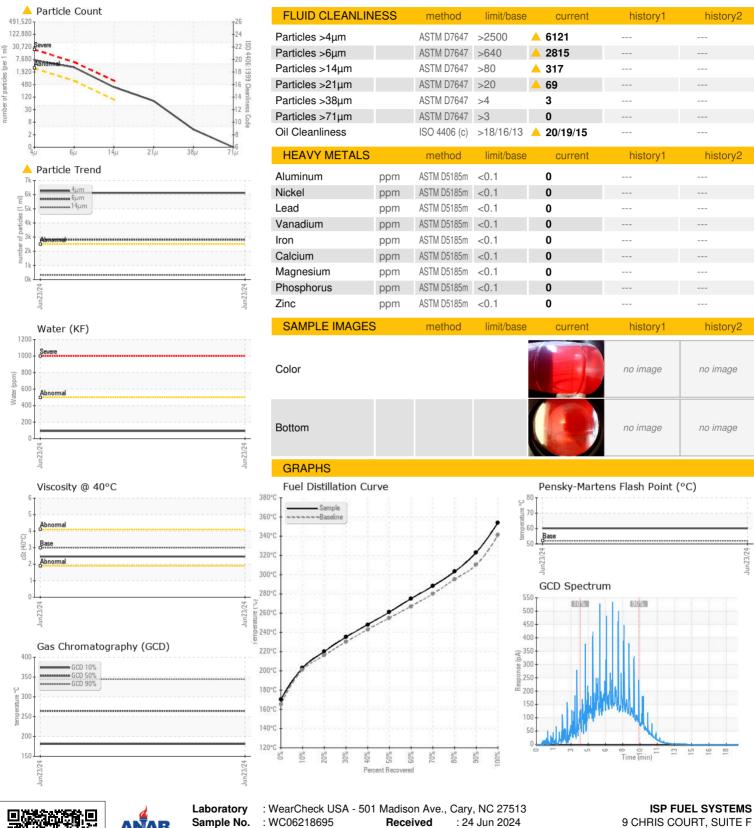
Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation.

SAMPLE INFORMATION method limit/base current history1 history2 Sample Number Client Info WC06218695 Sample Date Client Info 0 Machine Age hrs Client Info 0 Sample Status ABNORMAL PHYSICAL PROPERTIES method limit/base current history1 history2 Fuel Color text *Visual Screen Yllow Red ASTM Color scalar *ASTM D1500 L4.0 Visc @ 40°C cst ASTM D445 3.0 2.46 Visc @ 40°C cst ASTM D445 3.0 2.46 Pensky-Martens Flash Point °C *PMCC Calculated 52 60.1 Sulfur ppm ASTM D5185m 10 7	i) (Q15)						
Sample Date Client Info 23 Jun 2024 Machine Age hrs Client Info 0 Sample Status ABNORMAL PHYSICAL PROPERTIES method limit/base current history1 history2 Fuel Color text *Visual Screen Yllow Red ASTM Color scalar *ASTM D1500 L4.0 Visc @ 40°C cSt ASTM D445 3.0 2.46 Pensky-Martens Flash Point °C 'PMCC Calculated 52 60.1 SULFUR CONTENT method limit/base current history1 history2 Sulfur (UVF) ppm ASTM D5185m 10 7 Sulfur (UVF) ppm ASTM D5453 16 DISTILLATION method limit/base current history1 history2	SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
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Sample Status	Sample Date		Client Info		23 Jun 2024		
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30% Distill Point °C ASTM D86 230 235				216			
50% Distill Point °C ASTM D86 255 261					-		
60% Distill Point °C ASTM D86 267 275							
70% Distill Point °C ASTM D86 280 288							
80% Distill Point °C ASTM D86 295 303							
85% Distillation Point °C ASTM D86 313				233			
90% Distill Point °C ASTM D86 310 323				210			
95% Distillation Point °C ASTM D86 340				310			
Final Boiling Point °C ASTM D86 341 354				341			
IGNITION QUALITY method limit/base current history1 history2	IGNITION QUALIT	Υ	method	limit/base	current	history1	history2
API Gravity ASTM D7777 37.7 36							
Cetane Index	,		ASTM D4737	<40.0	48		
CONTAMINANTS method limit/base current history1 history2	CONTAMINANTS		method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m <1.0 0		ppm					
Sodium ppm ASTM D5185m < 0.1 1							
Potassium ppm ASTM D5185m <0.1 <1							
Water % ASTM D6304 <0.05 0.009							
ppm Water							
% Gasoline % *In-House <0.50 0.0	• •						
% Biodiesel % *In-House <20.0 0.0							



FUEL REPORT





Certificate 12367

Lab Number : 06218695 Unique Number : 11096892

Tested Diagnosed

: 26 Jun 2024

: 26 Jun 2024 - Elizabeth Valachovic

Test Package : DF-2 (Additional Tests: Fuel, Screen) To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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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Contact: AJ THOMPSON aj@ispfuelsystems.com

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