

FUEL REPORT

SIS 54 - 1649 ADCOCK RD

Component **Diesel Fuel**

{not provided} (--- GAL)

Sample Rating Trend ISO

DIAGNOSIS

Recommendation

Recommend pre-filtering before use. 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

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

Fuel Condition

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

SAMPLE INFORMATION method limit/base current history1 Sample Number Client Info WC0798103 Sample Date Client Info 06 Mar 2023 Machine Age hrs Client Info 0 Sample Status ABNORMAL PHYSICAL PROPERTIES method limit/base current history1	
Sample Date Client Info 06 Mar 2023 Machine Age hrs Client Info 0 Sample Status ABNORMAL	
Machine Age hrs Client Info 0 Sample Status ABNORMAL	
Sample Status ABNORMAL	
PHYSICAL PROPERTIES method limit/base current history1	
	history2
Specific Gravity *ASTM D1298 0.843	
Fuel Color text *Visual Screen Red	
ASTM Color scalar *ASTM D1500 L4.0	
Visc @ 40°C	
Pensky-Martens Flash Point °C *PMCC Calculated 59	
SULFUR CONTENT method limit/base current history1	history2
Sulfur ppm ASTM D5185m 0	
Sulfur (UVF) ppm ASTM D5453 10	
DISTILLATION method limit/base current history1	history2
Initial Boiling Point °C ASTM D86 165	
5% Distillation Point °C ASTM D86 191	
10% Distill Point °C ASTM D86 202	
15% Distillation Point °C ASTM D86 212	
20% Distill Point °C ASTM D86 220	
30% Distill Point °C ASTM D86 234	
40% Distill Point °C ASTM D86 248	
50% Distill Point °C ASTM D86 261	
60% Distill Point °C ASTM D86 275	
70% Distill Point °C ASTM D86 289	
80% Distill Point °C ASTM D86 305	
85% Distillation Point °C ASTM D86 315	
90% Distill Point °C ASTM D86 326	
95% Distillation Point °C ASTM D86 343	
Final Boiling Point °C ASTM D86 352	
Distillation Residue % ASTM D86 1.4	
Distillation Loss % ASTM D86 0.6	
IGNITION QUALITY method limit/base current history1	history2
API Gravity ASTM D7777 36.4	
Cetane Index ASTM D4737 <40.0 47.6	
CONTAMINANTS method limit/base current history1	history2
Silicon ppm ASTM D5185m <1.0 0	
Sodium ppm ASTM D5185m <0.1 0	
Potassium ppm ASTM D5185m <0.1 0	
Potassium ppm ASTM D5185m < 0.1 0 Water % ASTM D6304 < 0.05 0.003	
Potassium ppm ASTM D5185m < 0.1 0 Water % ASTM D6304 < 0.05 0.003	



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Laboratory Sample No. Lab Number **Unique Number**

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0798103 : 05833367

: 10446860

Recieved : 28 Apr 2023 Diagnosed : 15 May 2023 Diagnostician : Doug Bogart

Test Package : DF-2 (Additional Tests: Screen)

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

* - 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)

KB POWER SYSTEMS LLC

738 Old Buies Creek Rd Lillington, NC US 27546

Contact: DWAYNE REGISTER

dwayne@kbpowersystemsnc.com T: (919)577-9136

F: