# \section*{Machine Id <br> <br> CASWELL GEN - PIEDMONT ELECTRIC <br> <br> CASWELL GEN - PIEDMONT ELECTRIC Diesel Fuel 

 Fluid

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

## DIAGNOSIS

## Recommendation

Laboratory test indicate that this fuel is suitable for use and meets all test requirements.

## Corrosion

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

## Contaminants

The amount and size of particulates present in the system are acceptable.

## Fuel Condition

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

| SAMPLE INFORMATION |  | method | limitbase | current | history1 | history2 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sample Number |  | Client Info |  | WC06145513 | --- | --- |
| Sample Date |  | Client Info |  | 09 Apr 2024 | --- | --- |
| Machine Age | hrs | Client Info |  | 0 | --- | --- |
| Sample Status |  |  |  | NORMAL | --- | --- |
| PHYSICAL PROPERTIES |  | method | limitbase | current | history1 | history2 |
| Fuel Color | text | *Visual Screen | Yllow | Red | --- | --- |
| ASTM Color | scalar | *ASTM D1500 |  | L4.5 | --- | --- |
| Visc @ $40^{\circ} \mathrm{C}$ | cSt | ASTM D445 | 3.0 | 2.4 | --- | --- |
| Pensky-Martens Flash Point | ${ }^{\circ} \mathrm{C}$ | "PMCC Calulated | 52 | 60.4 | --- | --- |


| SULFUR CONTENT | method | limitbase | current | history1 | history2 |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Sulfur | ppm | ASTM D5185m | 10 | $\mathbf{0}$ | --- | --- |
| Sulfur (UVF) | ppm | ASTM D5453 |  | $\mathbf{1 2}$ | --- | --- |


| DISTILLATION |  | method | limitbase | current | history1 | history2 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Initial Boiling Point | ${ }^{\circ} \mathrm{C}$ | ASTM D86 | 165 | 171 | --- | --- |
| 5\% Distillation Point | ${ }^{\circ} \mathrm{C}$ | ASTM D86 |  | 194 | --- | --- |
| 10\% Distill Point | ${ }^{\circ} \mathrm{C}$ | ASTM D86 | 201 | 204 | --- | --- |
| 15\% Distillation Point | ${ }^{\circ} \mathrm{C}$ | ASTM D86 |  | 212 | --- | --- |
| 20\% Distill Point | ${ }^{\circ} \mathrm{C}$ | ASTM D86 | 216 | 221 | --- | --- |
| 30\% Distill Point | ${ }^{\circ} \mathrm{C}$ | ASTM D86 | 230 | 236 | --- | --- |
| 40\% Distill Point | ${ }^{\circ} \mathrm{C}$ | ASTM D86 | 243 | 249 | --- | --- |
| 50\% Distill Point | ${ }^{\circ} \mathrm{C}$ | ASTM D86 | 255 | 263 | --- | --- |
| 60\% Distill Point | ${ }^{\circ} \mathrm{C}$ | ASTM D86 | 267 | 276 | --- | --- |
| 70\% Distill Point | ${ }^{\circ} \mathrm{C}$ | ASTM D86 | 280 | 289 | --- | --- |
| 80\% Distill Point | ${ }^{\circ} \mathrm{C}$ | ASTM D86 | 295 | 304 | --- | --- |
| 85\% Distillation Point | ${ }^{\circ} \mathrm{C}$ | ASTM D86 |  | 315 | --- | --- |
| 90\% Distill Point | ${ }^{\circ} \mathrm{C}$ | ASTM D86 | 310 | 326 | --- | --- |
| 95\% Distillation Point | ${ }^{\circ} \mathrm{C}$ | ASTM D86 |  | 344 | --- | --- |
| Final Boiling Point | ${ }^{\circ} \mathrm{C}$ | ASTM D86 | 341 | 358 | --- | --- |
| IGNITION QUALITY |  | method | limit/base | current | history 1 | history2 |
| API Gravity |  | ASTM D7777 | 37.7 | 37 | --- | --- |
| Cetane Index |  | ASTM D4737 | <40.0 | 49 | --- | --- |


| CONTAMINANTS |  | method | limitbase | current | history1 | history2 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Silicon | ppm | ASTM D5185m | <1.0 | <1 | --- | --- |
| Sodium | ppm | ASTM D5185m | <0.1 | 1 | --- | --- |
| Potassium | ppm | ASTM D5185m | <0.1 | 0 | --- | --- |
| Water | \% | ASTM D6304 | <0.05 | 0.004 | --- | --- |
| ppm Water | ppm | ASTM D6304 | <500 | 41 | --- | --- |
| \% Gasoline | \% | *In-House | <0.50 | 0.0 | --- | --- |
| \% Biodiesel | \% | *In-House | <20.0 | 0.0 | --- | --- |

## FUEL REPORT



## ANAB

Certificate L2367
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)
Laboratory : WearCheck USA-501 Madison Ave., Cary, NC 27513
Received : 10 Apr 2024
Tested : 26 Apr 2024
Diagnosed : 26 Apr 2024 - Angela Borella

| Lab Number : 06145513 | Tested | $: 26$ Apr 2024 |
| :--- | :--- | :--- |
| Unique Number $: 10970321$ | Diagnosed | $: 26$ Apr 2024-Angela Borella |

Unique Number : 10970321
Test Package : DF-2 (Additional Tests: Fuel, Screen )

COUCH OIL COMPANY 2907 HILLSBOROUGH RD DURHAM, NC

US 27705
Contact: JESSE BROWN jesse@couchoilcompany.com

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Report Id: COUDUR [WUSCAR] 06145513 (Generated: 04/26/2024 17:31:07) Rev: 1
Contact/Location: JESSE BROWN - COUDUR

