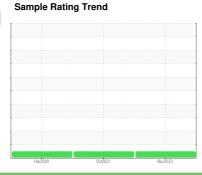


## **FUEL REPORT**

# Kentucky Machine Id [Kentucky] Diesel - #1 Starboard

Diesel Fuel

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (17374 GAL)





## DIAGNOSIS

#### Recommendation

All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel. (Customer Sample Comment: Tyson Bias )

#### Corrosion

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

### Contaminants

The water content is negligible. There is no Bacteria, Yeast and/or Fungus indicated in the sample. There is no indication of any contamination in the fuel.

### **Fuel Condition**

Sulfur value derived by ASTM D4294 method for ULSD validation.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number Sample Date Machine Age Sample Status	hrs	Client Info Client Info Client Info		WC0600251 28 Nov 2023 0 NORMAL	WC0600205 08 Oct 2021 0 NORMAL	WCDF01125 10 Feb 2020 0 NORMAL
PHYSICAL PROF	PERTIES	method	limit/base	current	history1	history2
ASTM Color Visc @ 40°C	scalar cSt	*ASTM D1500 ASTM D445	3.0	L4.5 2.54	L5.0 2.16	L5.5 2.29
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur Sulfur (UVF)	ppm ppm	ASTM D5185m ASTM D5453	10	0 10	<1 7	2 6
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon Sodium Potassium Water ppm Water % Gasoline % Biodiesel  FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm Oil Cleanliness	ppm ppm ppm % ppm % %	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 *In-House *In-House method ASTM D7647 ISO 4406 (c)	<1.0 <0.1 <0.01 <0.05 <500 <0.50 <20.0  limit/base >2500 >640 >80 >20 >4	0 0 -<1 0.003 28 0.0 0.0 current 738 159 12 4 1 0	0 0 0 0.002 22.1 0.0 2.9 history1	<1 0 0 0.004 42.2 0.0 2.8 history2
HEAVY METALS		method	limit/base	current	history1	history2
HEAVY METALS  Aluminum	ppm	method ASTM D5185m	limit/base <0.1	current 2	history1	history2
Nickel	ppm	ASTM D5185m	<0.1	0	0	<1
Lead Vanadium	ppm	ASTM D5185m ASTM D5185m		0	0	0
Iron Calcium	ppm ppm	ASTM D5185m ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	<0.1	0	0	0
Phosphorus Zinc	ppm	ASTM D5185m ASTM D5185m	<0.1	0	3	<1 2

SAMPLE IMAGES method limit/base current history1 history2

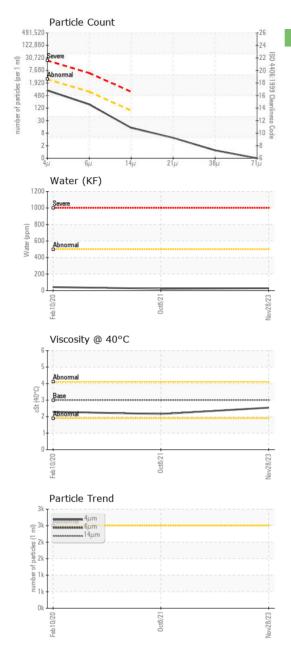
Color



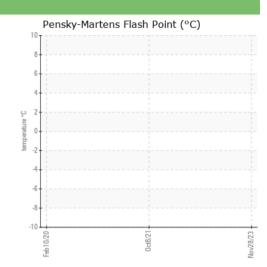




## **FUEL REPORT**









Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10776742

: WC0600251 : 06026951

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

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

Diagnosed Diagnostician : Doug Bogart **Test Package**: DF-5 (Additional Tests: Screen)

: 06 Dec 2023 : 14 Dec 2023 MARATHON PETROLEUM CO. 101 12TH ST

CATLETTSBURG, KY US 41169

Contact: CORY GUMBERT cagumbert@marathonpetroleum.com T: (606)585-3950

\* - 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: x: