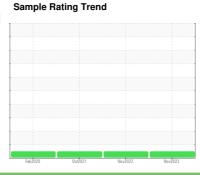


FUEL REPORT

Kentucky [Kentucky] Diesel - #3 Port

Diesel Fuel

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (4454 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		WC0600296 28 Nov 2023 0 NORMAL	WC0600453 04 Nov 2022 0 NORMAL	WC0600298 08 Oct 2021 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 2.66	L5.0 2.46	L5.0 2.24
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur Sulfur (UVF)	ppm ppm	ASTM D5185m ASTM D5453	10	0 8	9	2 10
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 0.002 24 0.0 0.0 current 129 45 6 3 0 0	<1 0 <1 0.004 41.9 0.0 0.0 0.0 history1 66 35 9 2 0 0 13/12/10	0 0 0 0.003 25.5 0.0 4.4 history2
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	current 2	history1 0	history2 0
Nickel Lead Vanadium	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	<0.1 <0.1 <0.1	0 0 0	0 0 0	0 0 0
Iron Calcium	ppm	ASTM D5185m ASTM D5185m	<0.1 <0.1	0	0	0
Magnesium Phosphorus Zinc	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	<0.1 <0.1 <0.1	0 0 0	0 2 0	0 3 0

Color

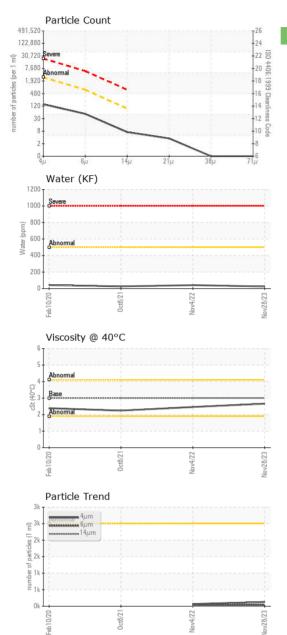
SAMPLE IMAGES



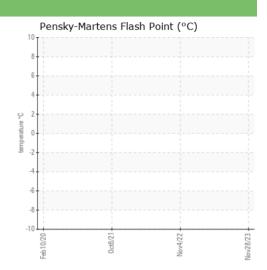




FUEL REPORT









Laboratory Sample No. Lab Number Unique Number : 10776744

: WC0600296 : 06026953 **Test Package**: DF-5 (Additional Tests: Screen)

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

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

: 06 Dec 2023 : 14 Dec 2023 Diagnostician : Doug Bogart 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: