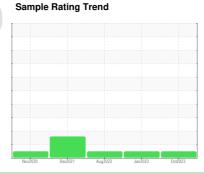


FUEL REPORT

Texas City [Texas City] Diesel - #2 Port

Diesel Fuel

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (4045 GAL)





Recommendation

No corrective action is recommended at this time.

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

Contaminants

The water content is negligible. There is no indication of any contamination in the fuel.

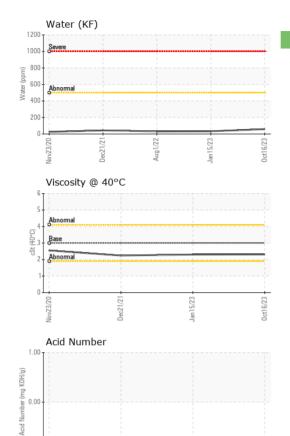
Fuel Condition

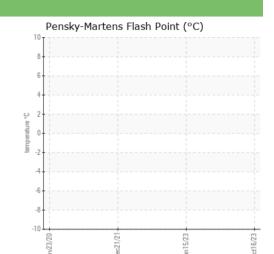
The condition of the fuel is acceptable for the time in service.

., (Nov2020	Dec2021	Aug2022 Jan2023	Oct2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0735699	WC0719570	WC0643293
Sample Date		Client Info		16 Oct 2023	15 Jan 2023	01 Aug 2022
Machine Age	hrs	Client Info		0	0	0
Sample Status				NORMAL	NORMAL	NORMAL
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	3.0	2.31	2.3	
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	20	0	52
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	2	0	0
Sodium	ppm	ASTM D5185m	<0.1	<1	0	<1
Potassium	ppm	ASTM D5185m	< 0.1	0	<1	0
Water	%	ASTM D6304	< 0.05	0.005	0.003	0.003
ppm Water	ppm	ASTM D6304	< 500	58.5	32.7	31.1
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	< 0.1	0	0	<1
Nickel	ppm	ASTM D5185m	< 0.1	0	0	0
	ppiii	ASTIVI DSTOSIII	<0.1	U	U	U
Lead	ppm	ASTM D5185m	<0.1	0	0	0
Lead Vanadium				•	-	
	ppm	ASTM D5185m	<0.1	0	0	0
Vanadium	ppm	ASTM D5185m ASTM D5185m	<0.1 <0.1	0	0	0
Vanadium Iron	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	<0.1 <0.1 <0.1	0 0 0	0 0 0	0 0 0
Vanadium Iron Calcium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<0.1 <0.1 <0.1 <0.1	0 0 0 0	0 0 0 0	0 0 0 0
Vanadium Iron Calcium Magnesium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<0.1 <0.1 <0.1 <0.1 <0.1	0 0 0 0	0 0 0 0 0 <1	0 0 0 0
Vanadium Iron Calcium Magnesium Phosphorus	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<0.1 <0.1 <0.1 <0.1 <0.1 <0.1	0 0 0 0 0	0 0 0 0 0 <1 5	0 0 0 0 0
Vanadium Iron Calcium Magnesium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1	0 0 0 0 0 0	0 0 0 0 0 <1 5	0 0 0 0 0 0



FUEL REPORT







Laboratory Sample No. Lab Number Unique Number : 10727848 Test Package : IND 2 (Additional Tests: KF)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0735699 : 05999488

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

Received Diagnosed

: 06 Nov 2023 : 14 Nov 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: