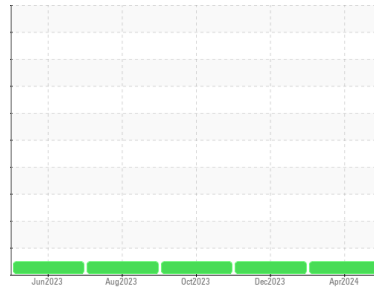




FUEL REPORT

Sample Rating Trend



NORMAL



Area

Louisville

Machine Id

[Louisville] Diesel - #1 Starboard

Component

Diesel Fuel

Fluid

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (14294 GAL)

DIAGNOSIS

Recommendation

This is a baseline read-out on the submitted sample. No corrective action is recommended at this time.

Corrosion

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.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0874755	WC0859803	WC0805359
Sample Date	Client Info			28 Apr 2024	08 Dec 2023	09 Oct 2023
Machine Age	hrs	Client Info		0	0	0
Sample Status				NORMAL	NORMAL	NORMAL

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	3.0	2.5	2.59	2.6

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0	0	19

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0	0	0
Sodium	ppm	ASTM D5185m	<0.1	1	0	<1
Potassium	ppm	ASTM D5185m	<0.1	0	0	<1
Water	%	ASTM D6304	<0.05	0.002	0.003	0.003
ppm Water	ppm	ASTM D6304	<500	22	29	36.1

HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0	0	0
Nickel	ppm	ASTM D5185m	<0.1	0	0	<1
Lead	ppm	ASTM D5185m	<0.1	0	<1	0
Vanadium	ppm	ASTM D5185m	<0.1	0	<1	0
Iron	ppm	ASTM D5185m	<0.1	0	0	0
Calcium	ppm	ASTM D5185m	<0.1	0	0	<1
Magnesium	ppm	ASTM D5185m	<0.1	0	0	2
Phosphorus	ppm	ASTM D5185m	<0.1	0	0	<1
Zinc	ppm	ASTM D5185m	<0.1	0	0	0

SAMPLE IMAGES		method	limit/base	current	history1	history2
---------------	--	--------	------------	---------	----------	----------

Color

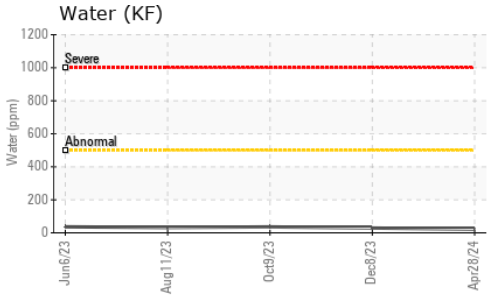


Bottom

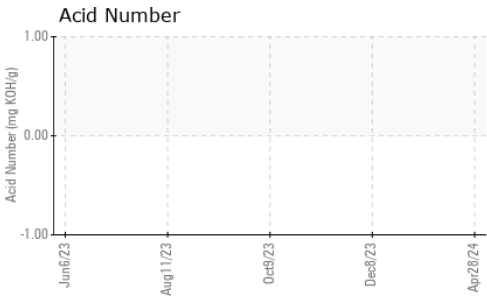
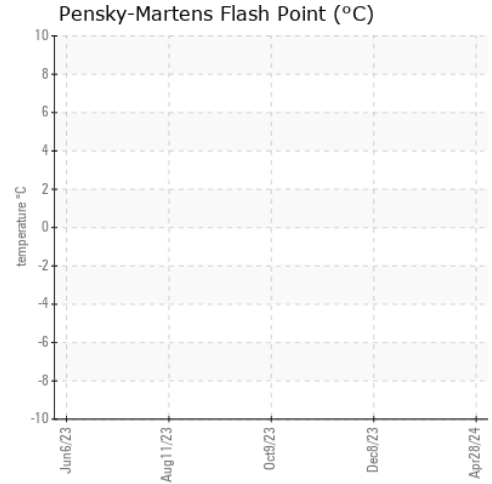
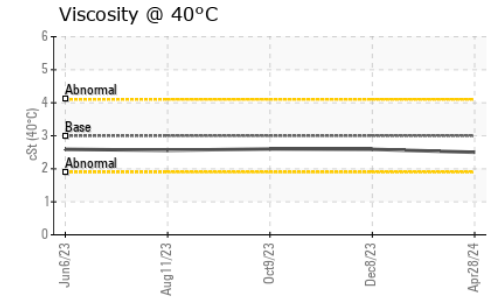




FUEL REPORT



GRAPHS



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
Sample No. : WC0874755
Lab Number : 06181887
Unique Number : 11033213
Test Package : IND 2 (Additional Tests: KF)

Received : 16 May 2024
Tested : 20 May 2024
Diagnosed : 20 May 2024 - Angela Borella

MARATHON PETROLEUM CO.
 101 12TH ST
 CATLETTSBURG, KY
 US 41169

Contact: CORY GUMBERT
 cagumbert@marathonpetroleum.com

T: (606)585-3950

F: x: