



FUEL REPORT

CORROSION	NORMAL
CONTAMINANTS	ABNORMAL
FUEL CONDITION	NORMAL

Area
[PMOAS3263574]
 Machine Id
DFJD4475826 (S/N D000090786)
 Component
Diesel Fuel
 Fluid
No.2 DIESEL FUEL (LOW-SULPHUR) (--- GAL)

RECOMMENDATION

We advise that you filter this fluid before use. All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel.

CORROSION

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

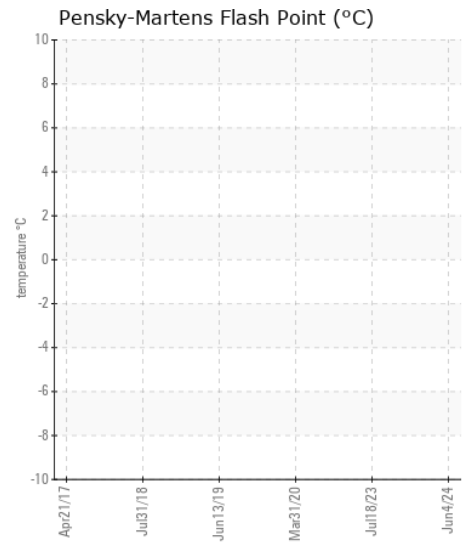
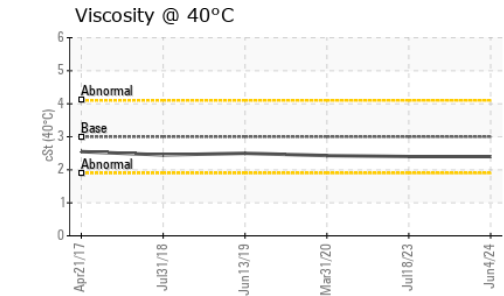
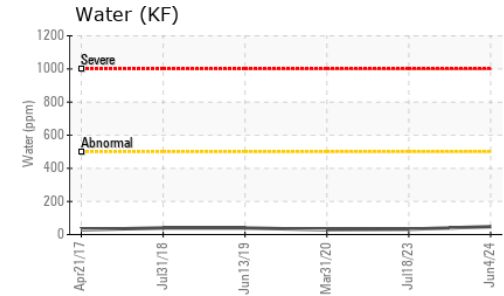
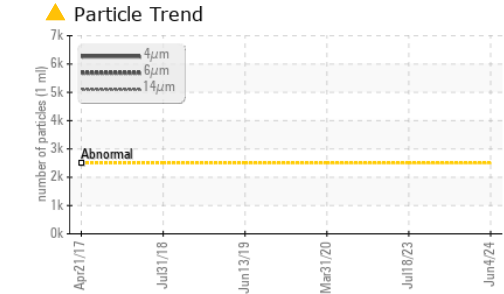
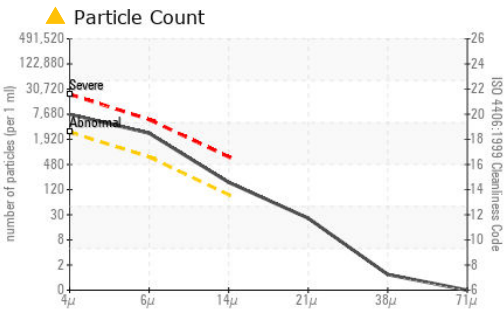
CONTAMINANTS

There is a high amount of particulates present in the fuel. Moderate concentration of visible dirt/debris present in the fuel. The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample.

FUEL CONDITION

Sulfur value derived by ASTM D5453 method for ULSD validation. Sulfur level is acceptable for ULSD specification.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0036936	DC0025190	DCDF02042
Sample Date		Client Info		04 Jun 2024	18 Jul 2023	31 Mar 2020
Machine Age	hrs	Client Info		1623	0	1368
Sample Status				ABNORMAL	NORMAL	NORMAL
Aluminum	ppm	ASTM D5185m	<0.1	0	<1	0
Nickel	ppm	ASTM D5185m	<0.1	0	0	0
Lead	ppm	ASTM D5185m	<0.1	0	0	0
Vanadium	ppm	ASTM D5185m	<0.1	<1	<1	0
Iron	ppm	ASTM D5185m	<0.1	0	0	0
Silicon	ppm	ASTM D5185m	<1.0	<1	0	<1
Sodium	ppm	ASTM D5185m	<0.1	1	<1	0
Potassium	ppm	ASTM D5185m	<0.1	<1	<1	<1
Water	%	ASTM D6304	<0.05	0.004	0.003	0.003
ppm Water	ppm	ASTM D6304	<500	48	32.5	29.6
Particles >4µm		ASTM D7647	>2500	▲ 6648	---	---
Particles >6µm		ASTM D7647	>640	▲ 2353	---	---
Particles >14µm		ASTM D7647	>80	▲ 158	---	---
Particles >21µm		ASTM D7647	>20	▲ 22	---	---
Particles >38µm		ASTM D7647	>4	1	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	▲ 20/18/14	---	---
% Gasoline	%	*In-House	<0.50	0.0	0.0	0.0
% Biodiesel	%	*In-House	<20.0	0.0	0.0	0.0
Calcium	ppm	ASTM D5185m	<0.1	0	0	<1
Magnesium	ppm	ASTM D5185m	<0.1	0	<1	0
Phosphorus	ppm	ASTM D5185m	<0.1	<1	0	0
Zinc	ppm	ASTM D5185m	<0.1	0	0	<1
ASTM Color	scalar	*ASTM D1500		L4.0	L4.0	L5.5
Visc @ 40°C	cSt	ASTM D445	3.0	2.4	2.4	2.43
Sulfur	ppm	ASTM D5185m	250	0	0	12
Sulfur (UVF)	ppm	ASTM D5453		10	9	18
API Gravity		ASTM D7777	37.7	37.5	37.5	36.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0036936
Lab Number : 06220271
Unique Number : 11098468
Test Package : DF-5 (Additional Tests: API, Cetane, Fuel, PrtCount, Screen)

KELLY GENERATOR & EQUIPMENT INC
 1955 DALE LN
 OWINGS, MD
 US 20736
 Contact: LESLIE SNURR
 LSNURR@KGE.COM
 T: (410)257-5225
 F: (410)257-5227

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)