



FUEL REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
FUEL CONDITION	NORMAL

Area

[PMOAS2771878]

Machine Id

SD500 3004006683

Component

Diesel Fuel

Fluid

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- QTS)

RECOMMENDATION

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.

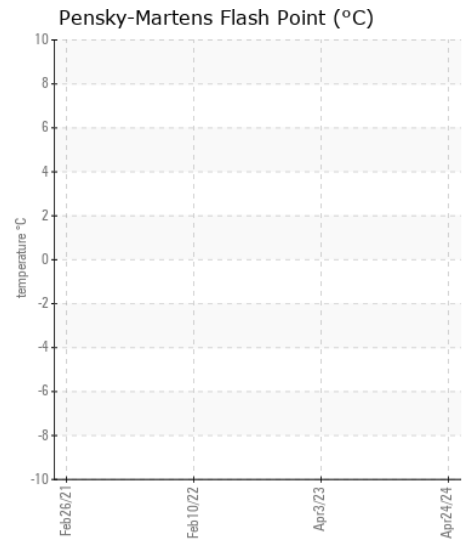
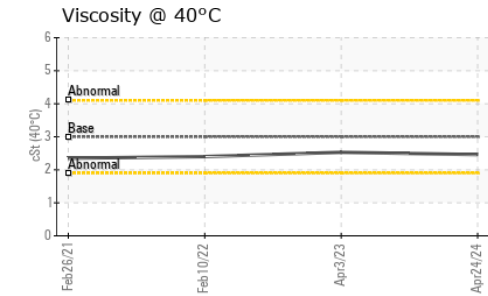
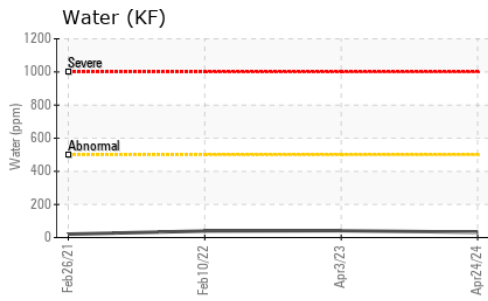
CONTAMINANTS

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 D5453 method for ULSD validation. Sulfur level is acceptable for ULSD specification.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0035912	DC0024976	DC0019289
Sample Date		Client Info		24 Apr 2024	03 Apr 2023	10 Feb 2022
Machine Age	hrs	Client Info		199	171	135
Sample Status				NORMAL	NORMAL	NORMAL
Aluminum	ppm	ASTM D5185m	<0.1	0	0	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	0	0	0
Iron	ppm	ASTM D5185m	<0.1	0	0	0
Silicon	ppm	ASTM D5185m	<1.0	<1	0	0
Sodium	ppm	ASTM D5185m	<0.1	<1	0	0
Potassium	ppm	ASTM D5185m	<0.1	0	0	0
Water	%	ASTM D6304	<0.05	0.003	0.004	0.003
ppm Water	ppm	ASTM D6304	<500	32	41.5	39.7
Particles >4µm		ASTM D7647	>2500	---	591	4636
Particles >6µm		ASTM D7647	>640	---	170	1026
Particles >14µm		ASTM D7647	>80	---	21	74
Particles >21µm		ASTM D7647	>20	---	5	19
Particles >38µm		ASTM D7647	>4	---	0	2
Particles >71µm		ASTM D7647	>3	---	0	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	---	16/15/12	19/17/13
% Gasoline	%	*In-House	<0.50	0.0	0.0	0.0
% Biodiesel	%	*In-House	<20.0	2.2	2.3	2.0
Calcium	ppm	ASTM D5185m	<0.1	<1	0	13
Magnesium	ppm	ASTM D5185m	<0.1	0	0	0
Phosphorus	ppm	ASTM D5185m	<0.1	<1	0	6
Zinc	ppm	ASTM D5185m	<0.1	<1	0	5
ASTM Color	scalar	*ASTM D1500		L4.5	L4.0	L5.5
Visc @ 40°C	cSt	ASTM D445	3.0	2.46	2.53	2.4
Sulfur	ppm	ASTM D5185m	10	<1	4	25
Sulfur (UVF)	ppm	ASTM D5453		13	11	27
API Gravity		ASTM D7777	37.7	36.2	36.3	36.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0035912
Lab Number : 06175995
Unique Number : 11022048
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)