



FUEL REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
FUEL CONDITION	NORMAL

Area
[PMOAS3372425]

Machine Id
3001719515

Component
Diesel Fuel

Fluid
No.2 DIESEL FUEL (LOW-SULPHUR) (--- GAL)

RECOMMENDATION

All laboratory tests indicate that this sample meets specifications for No.2 low-sulfur diesel fuel.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0035920	DC0029077	DC0019532
Sample Date		Client Info		11 Apr 2024	05 Apr 2023	21 Apr 2022
Machine Age	hrs	Client Info		0	155	115
Sample Status				NORMAL	NORMAL	NORMAL

CORROSION

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

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

CONTAMINANTS

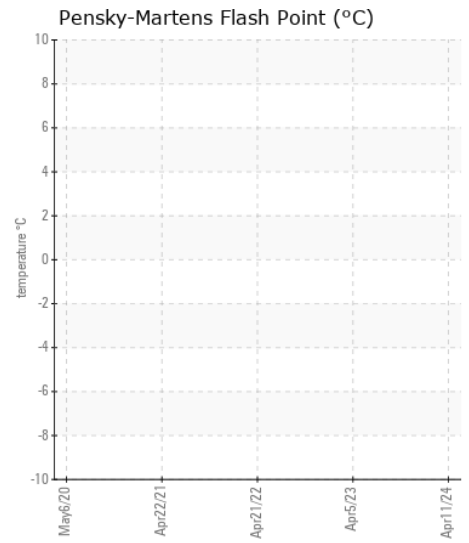
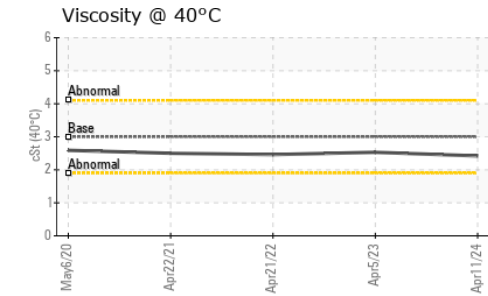
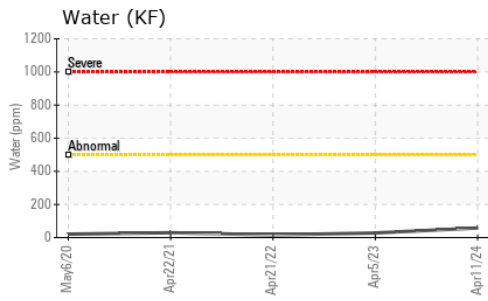
There is no Bacteria, Yeast and/or Fungus indicated in the sample. The water content is negligible. There is no indication of any contamination in the fuel.

Silicon	ppm	ASTM D5185m	<1.0	0	<1	0
Sodium	ppm	ASTM D5185m	<0.1	0	0	0
Potassium	ppm	ASTM D5185m	<0.1	0	<1	0
Water	%	ASTM D6304	<0.05	0.005	0.003	0.002
ppm Water	ppm	ASTM D6304	<500	58	27.9	16.0
Particles >4µm		ASTM D7647	>2500	---	3176	3071
Particles >6µm		ASTM D7647	>640	---	1052	863
Particles >14µm		ASTM D7647	>80	---	90	82
Particles >21µm		ASTM D7647	>20	---	20	18
Particles >38µm		ASTM D7647	>4	---	0	2
Particles >71µm		ASTM D7647	>3	---	0	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	---	19/17/14	19/17/14
% 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	0
Magnesium	ppm	ASTM D5185m	<0.1	0	0	0
Phosphorus	ppm	ASTM D5185m	<0.1	0	6	0
Zinc	ppm	ASTM D5185m	<0.1	0	0	0

FUEL CONDITION

Sulfur value derived by ASTM D5453 method for ULSD validation.

ASTM Color	scalar	*ASTM D1500		L4.0	L4.0	L4.5
Visc @ 40°C	cSt	ASTM D445	3.0	2.42	2.53	2.46
Sulfur	ppm	ASTM D5185m	250	0	0	12
Sulfur (UVF)	ppm	ASTM D5453		25	32	37
API Gravity		ASTM D7777	37.7	37.0	37.1	36.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0035920
Lab Number : 06159979
Unique Number : 10995402
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)