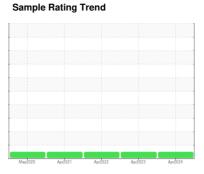


FUEL REPORT

[PMOAS3372425] 3001719515

Diesel Fuel

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





Recommendation

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

Corrosion

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

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.

Fuel Condition

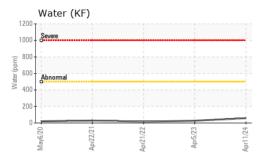
Sulfur value derived by ASTM D5453 method for ULSD validation.

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 Mormal NORMAL NORMAL NORMAL NORMAL PHYSICAL PROPERTIES method limit/base current history1 history2 ASTM Color scalar "ASTM D1500 L4.0 L4.0 L4.5 ASTM Color cst ASTM D445 3.0 2.42 2.53 2.46 SULFUR CONTENT method limit/base current history1 history2 Sulfur (UVF) ppm ASTM D5185m 250 0 0 12 Sulfur (UVF) ppm ASTM D7777 37.7 37.0 37.1 36.9 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m <1.0 0 <1 <	, (L)						
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 NORMAL PHYSICAL PROPERTIES method limit/base current history1 history2 ASTM Color scalar 'ASTM D1500 L4.0 L4.0 L4.5 L4.5 SULFUR CONTENT method limit/base current history1 history2 Sulfur (UVF) ppm ASTM D5185m 250 0 0 12 Sulfur (UVF) ppm ASTM D5185m 250 0 0 12 Sulfur (UVF) ppm ASTM D5185m 250 0 0 1 GONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m <1.0 0 <1 0 Sodium ppm ASTM D5185m <1.0 0	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Machine Age Sample Status hrs Client Info 0 155 115 NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL PHYSICAL PROPERTIES method limit/base current history1 history2 ASTM Color scalar "ASTM D5185m 3.0 2.42 2.53 2.46 SULFUR CONTENT method limit/base current history1 history2 Sulfur (UVF) ppm ASTM D5185m 250 0 0 12 Sulfur (UVF) ppm ASTM D5485m 250 0 0 12 GENITION QUALITY method limit/base current history1 history2 API Gravity ASTM D5185m <1.0	Sample Number		Client Info		DC0035920	DC0029077	DC0019532
NORMAL NORMAL NORMAL PHYSICAL PROPERTIES method limit/base current history1 history2 history2 ASTM Color scalar "ASTM D1500 L4.0 L4.0 L4.5 L4.0 L4.5 L4.0 L4.5 L4.0 L4.5 L4.0 L4.5 L4.5 L4.5 L4.0 L4.5 L4.5 L4.5 L4.0 L4.5 L4.	Sample Date		Client Info		11 Apr 2024	05 Apr 2023	21 Apr 2022
PHYSICAL PROPERTIES	Machine Age	hrs	Client Info		0	155	115
ASTM Color scalar 'ASTM D1500	Sample Status				NORMAL	NORMAL	NORMAL
Visc @ 40°C CSt ASTM D445 3.0 2.42 2.53 2.46 SULFUR CONTENT method limit/base current history1 history2 Sulfur ppm ASTM D5185m 250 0 0 12 Sulfur (UVF) ppm ASTM D5185m 250 0 0 12 Sulfur (UVF) ppm ASTM D5185m 250 0 0 12 Sulfur (UVF) ppm ASTM D5185m 250 25 32 37 IGNITION OUALITY method limit/base current history1 history2 API Gravity ASTM D5185m <1.0 0 <1 0 <1 0 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m <1.0 0 <1 0 Potassium ppm ASTM D5185m <0.1 0 <1 0 Vale % AST	PHYSICAL PROF	PERTIES	S method	limit/base	current	history1	history2
SULFUR CONTENT method limit/base current history1 history2	ASTM Color	scalar	*ASTM D1500		L4.0	L4.0	L4.5
Sulfur ppm ASTM D5185m 250 0 0 12 Sulfur (UVF) ppm ASTM D5483 25 32 37 IGNITION QUALITY method limit/base current history1 history2 API Gravity ASTM D7777 37.7 37.0 37.1 36.9 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m <1.0 0 <1 0 Sodium ppm ASTM D5185m <1.0 0 <1 0 Sodium ppm ASTM D5185m <0.1 0 <1 0 Vater % ASTM D583m <0.1 0 <1 0 Water % &3TM D6304 <0.05 0.005 0.003 0.002 % Bioclesel % *In-House <0.50 0.0 0.0 0.0 % Biodiesel % *In-House <20.0 0.0	Visc @ 40°C	cSt	ASTM D445	3.0	2.42	2.53	2.46
Sulfur (UVF) ppm ASTM D5453 25 32 37	SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur (UVF) ppm ASTM D5453 25 32 37	Sulfur	ppm	ASTM D5185m	250	0	0	12
API Gravity ASTM D7777 37.7 37.0 37.1 36.9 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m <1.0	Sulfur (UVF)		ASTM D5453		25	32	37
Silicon ppm ASTM D5185m <1.0 0 <1 0 0 0	IGNITION QUALI	TY	method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m <1.0 0 <1 0 Sodium ppm ASTM D5185m <0.1 0 0 0 Potassium ppm ASTM D6384 <0.01 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 % Gasoline % *In-House <0.50 0.0 0.0 0.0 % Biodiesel % *In-House <0.50 0.0 0.0 0.0 % Biodiesel % *In-House <0.50 0.0 0.0 0.0 % Biodiesel % *In-House <0.0 0.0 0.0 0.0 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >80 90 82 Particles >38µm ASTM D7647 >4	API Gravity		ASTM D7777	37.7	37.0	37.1	36.9
Sodium ppm ASTM D5185m < 0.1 0 0 0 Potassium ppm ASTM D5185m < 0.1	CONTAMINANTS	8	method	limit/base	current	history1	history2
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 % Gasoline % *In-House < 0.50 0.0 0.0 0.0 % Biodiesel % *In-House < 0.50 0.0 0.0 0.0 % Biodiesel % *In-House < 0.50 0.0 0.0 0.0 % Biodiesel % *In-House < 0.50 0.0 0.0 0.0 FLUID CLEANLINESS method limit/base current history1 history2 Particles > 4µm ASTM D7647 >2500 3176 3071 3071 Particles > 51µm ASTM D7647 >80 90 82 Particles > 38µm ASTM D7647 >4 0 2 Particles > 71µm ASTM D7647 <th< td=""><td>Silicon</td><td>ppm</td><td>ASTM D5185m</td><td><1.0</td><th>0</th><td><1</td><td>0</td></th<>	Silicon	ppm	ASTM D5185m	<1.0	0	<1	0
Water % ASTM D6304 <0.05 0.005 0.003 0.002 ppm Water ppm ASTM D6304 <500	Sodium	ppm	ASTM D5185m	< 0.1	0	0	0
ppm Water ppm ASTM D6304 <500 58 27.9 16.0 % Gasoline % *In-House <0.50	Potassium	ppm	ASTM D5185m	< 0.1	0	<1	0
% Gasoline % *In-House <0.50	Water	%	ASTM D6304	< 0.05	0.005	0.003	0.002
% Biodiesel % *In-House <20.0 0.0 0.0 0.0 FLUID CLEANLINESS method limit/base current history1 history2 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 HEAVY METALS method limit/base current history1 history2 Aluminum ppm ASTM D5185m <0.1	ppm Water	ppm	ASTM D6304	< 500	58	27.9	16.0
FLUID CLEANLINESS method limit/base current history1 history2 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 0 0 Oil Cleanliness ISO 4406 (c) >18/16/13 19/17/14 19/17/14 HEAVY METALS method limit/base current history1 history2 Aluminum ppm ASTM D5185m <0.1	% Gasoline	%	*In-House	< 0.50	0.0	0.0	0.0
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 0 0 Oil Cleanliness ISO 4406 (c) >18/16/13 0 0 Aluminum ppm ASTM D5185m <0.1 0 0 0 Aluminum ppm ASTM D5185m <0.1 0 0 0 Aluminum ppm ASTM D5185m <0.1 0 0 0 Vanadium ppm ASTM D5185m <0.1 0 0 0 Vanadium	% Biodiesel	%	*In-House	<20.0	0.0	0.0	0.0
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 0 0 Oil Cleanliness ISO 4406 (c) >18/16/13 0 0 Aluminum ppm ASTM D5185m <0.1	FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
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 HEAVY METALS method limit/base current history1 history2 Aluminum ppm ASTM D5185m <0.1	Particles >4µm		ASTM D7647	>2500		3176	3071
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 HEAVY METALS method limit/base current history1 history2 Aluminum ppm ASTM D5185m <0.1	Particles >6µm		ASTM D7647	>640		1052	863
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 HEAVY METALS method limit/base current history1 history2 Aluminum ppm ASTM D5185m <0.1	Particles >14µm		ASTM D7647	>80		90	82
Particles >71μm ASTM D7647 >3 0 0 Oil Cleanliness ISO 4406 (c) >18/16/13 19/17/14 19/17/14 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 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 Calcium ppm ASTM D5185m <0.1 0 0 0 Magnesium ppm ASTM D5185m <0.1 0 6 0	Particles >21µm		ASTM D7647	>20		20	18
Oil Cleanliness ISO 4406 (c) >18/16/13 19/17/14 19/17/14 19/17/14 HEAVY METALS method limit/base current history1 history2 Aluminum ppm ASTM D5185m <0.1	Particles >38µm		ASTM D7647	>4		0	2
HEAVY METALS method limit/base current history1 history2 Aluminum ppm ASTM D5185m <0.1	Particles >71µm		ASTM D7647	>3		0	0
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 Calcium ppm ASTM D5185m <0.1 0 0 0 Magnesium ppm ASTM D5185m <0.1 0 6 0	Oil Cleanliness		ISO 4406 (c)	>18/16/13		19/17/14	19/17/14
Nickel ppm ASTM D5185m <0.1	HEAVY METALS		method	limit/base	current	history1	history2
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 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							
Vanadium ppm ASTM D5185m <0.1 0 0 0 Iron ppm ASTM D5185m <0.1 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	Nickel	ppm				0	0
Iron ppm ASTM D5185m <0.1 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	Lead	ppm	ASTM D5185m	<0.1	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	Vanadium	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	Iron	ppm	ASTM D5185m	<0.1	0	0	0
Phosphorus ppm ASTM D5185m <0.1 0 6 0	Calcium	ppm	ASTM D5185m	<0.1	0	0	0
	Magnesium	ppm	ASTM D5185m	<0.1	0	0	0
Zinc ppm ASTM D5185m <0.1 0 0	Phosphorus	ppm	ASTM D5185m	<0.1	0	6	0
	Zinc	ppm	ASTM D5185m	<0.1	0	0	0



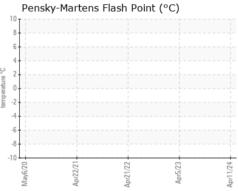
FUEL REPORT

GRAPHS





Viscosit	y @ 40°C	2		
5 - Abnormal	 			
Base Abnormal		***************************************		
1			1	
O 	Apr22/21 -	Apr21/22 -	Apr5/23 -	Apr11/24





Laboratory

Sample No. : DC0035920

Lab Number : 06159979 Unique Number : 10995402

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 Apr 2024 Tested

Diagnosed

: 06 May 2024 : 06 May 2024 - Doug Bogart

KELLY GENERATOR & EQUIPMENT INC 1955 DALE LN OWINGS, MD US 20736 Contact: LESLIE SNURR

Test Package: DF-5 (Additional Tests: API, Cetane, Fuel, PrtCount, Screen) Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

LSNURR@KGE.COM T: (410)257-5225

* - 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: (410)257-5227 Contact/Location: LESLIE SNURR - KELOWI