



FUEL REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
FUEL CONDITION	NORMAL

Area

[PMOAS3372450]

Machine Id

SHELL HORN RD (S/N 3001702962)

Component

Diesel Fuel

Fluid

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

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0034669	DC0029048	DC0019552
Sample Date		Client Info		08 Apr 2024	03 Apr 2023	10 Apr 2022
Machine Age	hrs	Client Info		0	106	84
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	<1
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	0	0
Iron	ppm	ASTM D5185m	<0.1	0	0	0

CONTAMINANTS

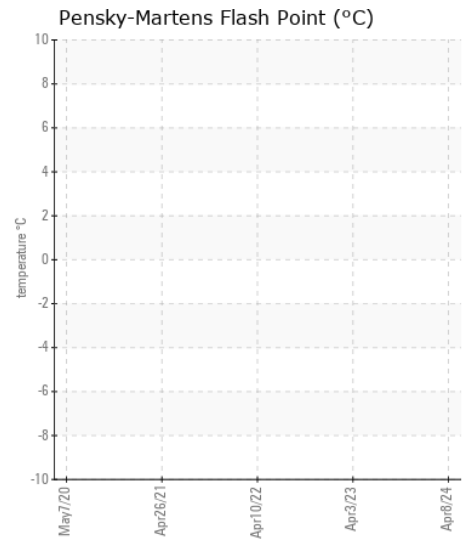
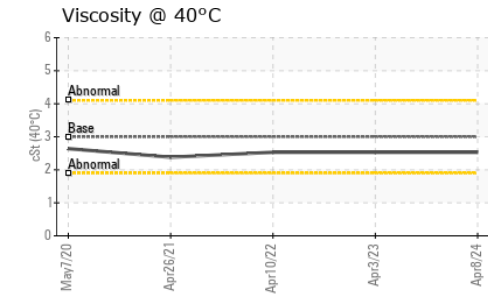
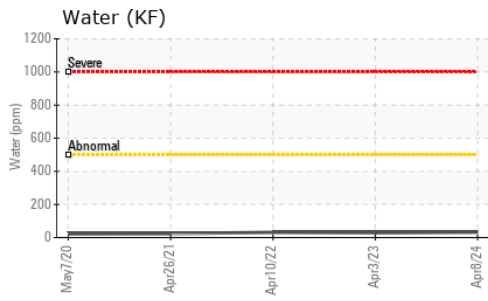
The water content is negligible. There is no Bacteria, Yeast and/or Fungus indicated in the sample. There is no indication of any contamination in the fuel.

Silicon	ppm	ASTM D5185m	<1.0	<1	<1	0
Sodium	ppm	ASTM D5185m	<0.1	<1	0	<1
Potassium	ppm	ASTM D5185m	<0.1	0	<1	0
Water	%	ASTM D6304	<0.05	0.003	0.003	0.003
ppm Water	ppm	ASTM D6304	<500	33	28.8	31.5
% 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	0	7	0
Zinc	ppm	ASTM D5185m	<0.1	0	0	0

FUEL CONDITION

Sulfur value derived by ASTM D4294 method for ULSD validation. Sulfur level is acceptable for ULSD specification.

ASTM Color	scalar	*ASTM D1500		L4.5	L4.5	L4.0
Visc @ 40°C	cSt	ASTM D445	3.0	2.53	2.53	2.53
Sulfur	ppm	ASTM D5185m	10	0	0	0
Sulfur (UVF)	ppm	ASTM D5453		2	12	8
API Gravity		ASTM D7777	37.7	36.5	36.4	36.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0034669
Lab Number : 06152459
Unique Number : 10982537
Test Package : DF-5 (Additional Tests: API, Cetane, Fuel, 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)