

CORROSION CONTAMINANTS FUEL CONDITION NORMAL **NORMAL NORMAL**

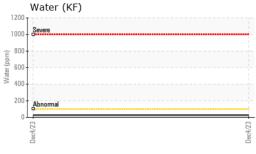
[PMIAS3096819]

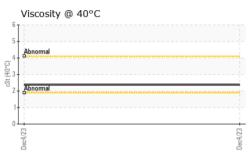
34MFGMJJ0002

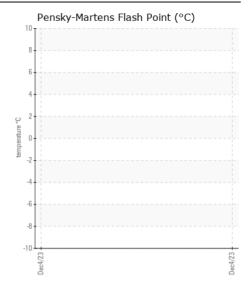
Diesel Fuel

Inot provided (--- GAL)

All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel. Sample Date	{not provided} (GAL)					.,		
Sample Date Client Info 04 Dec 2023	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Date Client Info O4 Dec 2023		Sample Number		Client Info		DC0031462		
Sample Status		Sample Date		Client Info		04 Dec 2023		
Aluminum ppm ASTM D5185m < 0.1 2		Machine Age	hrs	Client Info		0		
All metal levels are normal indicating no corrosion in the system. Nickel ppm ASTM D5185m <0.1 0		Sample Status				NORMAL		
All metal levels are normal indicating no corrosion in the system. Nickel ppm ASTM D5185m <0.1 0	CORROSION	Aluminum	mag	ASTM D5185m	<0.1	2		
Lead								
Iron ppm ASTM D5185m <0.1 0 Solium ppm ASTM D5185m <0.1 0 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. Sodium ppm ASTM D5185m <0.1 0 Potassium ppm ASTM D5185m <0.1 0 Potassium ppm ASTM D5185m <0.1 0 Potassium ppm ASTM D5185m <0.1 0 Ppm Water ppm ASTM D5185m <0.05 0.002 % Gasoline % *In-House <0.50 0.0 % Biodiesel % *In-House <0.50 0.0 Magnesium ppm ASTM D5185m <0.1 0 Phosphorus ppm ASTM D5185m <0.1 0 Phosphorus ppm ASTM D5185m <0.1 0 Time Phosphorus ppm ASTM D5185m <0.1 0 Sulfur value derived by ASTM D4294 method for ULSD validation. Sulfur ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 0 -		Lead						
Silicon ppm ASTM D5185m <1.0 0 FUEL CONDITION Sulfur value derived by ASTM D4294 method for ULSD validation. Sulfur (evel is acceptable for ULSD specification.) Silicon ppm ASTM D5185m <1.0 0 Sodium ppm ASTM D5185m <0.1 0 Potassium ppm ASTM D5185m <0.1 0 Water % ASTM D5185m <0.1 0 Water % ASTM D5185m <0.1 0 Potassium ppm ASTM D5185m <0.1 0 % Biodiesel % *In-House <0.50 0.00 % Biodiesel % *In-House <0.50 0.0 Magnesium ppm ASTM D5185m <0.1 0 Phosphorus ppm ASTM D5185m <0.1 0 Sulfur value derived by ASTM D4294 method for ULSD validation. Sulfur [evel is acceptable for ULSD specification.]		Vanadium	ppm	ASTM D5185m	<0.1	0		
Sodium ppm ASTM D5185m <0.1 0		Iron	ppm	ASTM D5185m	<0.1	0		
Sodium ppm ASTM D5185m <0.1 0	CONTAMINANTS	0		40TM D5405	4.0			
Potassium ppm ASTM D5185m <0.1 0 Water % ASTM D6304 <0.05 0.002 ppm Water ppm ASTM D6304 <5.00 25 % Gasoline % *In-House <0.50 0.0 % Biodiesel % *In-House <20.0 0.0 Galcium ppm ASTM D5185m <0.1 0 Magnesium ppm ASTM D5185m <0.1 0 Phosphorus ppm ASTM D5185m <0.1 0 Zinc ppm ASTM D5185m <0.1 0 Sulfur value derived by ASTM D4294 method for ULSD validation. Sulfur ppm ASTM D5185m 0 Sulfur (UVF) ppm ASTM D5185m 0 Sulfur (UVF) ppm ASTM D5185m 0						-		
Contamination in the fuel. Potassium ppm ASTM D6304 <0.05 0.002	Fungus indicated in the sample. There is no indication of any					-		
ppm Water ppm ASTM D6304 <500 25 % Gasoline % *In-House <0.50 0.0 % Biodiesel % *In-House <20.0 0.0 % Biodiesel % *In-House <20.0 0.0 Calcium ppm ASTM D5185m <0.1 0 Magnesium ppm ASTM D5185m <0.1 0 Phosphorus ppm ASTM D5185m <0.1 0 Zinc ppm ASTM D5185m <0.1 0 Zinc ppm ASTM D5185m <0.1 0 Sulfur value derived by ASTM D4294 method for ULSD validation. Sulfur level is acceptable for ULSD specification. Sulfur ppm ASTM D5185m 0 Sulfur (UVF) ppm ASTM D5453 9								
% Gasoline			%					
% Biodiese % *In-House <20.0		ppm Water	ppm	ASTM D6304	<500	25		
Calcium ppm ASTM D5185m <0.1 0 Magnesium ppm ASTM D5185m <0.1 0 Phosphorus ppm ASTM D5185m <0.1 0 Zinc ppm ASTM D5185m <0.1 0 Zinc ppm ASTM D5185m <0.1 0 Zinc ppm ASTM D5185m <0.1 0 Sulfur value derived by ASTM D4294 method for ULSD validation. Sulfur level is acceptable for ULSD specification. Sulfur ppm ASTM D5185m 0 Sulfur (UVF) ppm ASTM D5453 9		% Gasoline	%	*In-House	<0.50	0.0		
Magnesium ppm ASTM D5185m <0.1 0 Phosphorus ppm ASTM D5185m <0.1 0 Zinc ppm ASTM D5185m <0.1 0 Zinc ppm ASTM D5185m <0.1 0 Sulfur value derived by ASTM D4294 method for ULSD validation. Sulfur level is acceptable for ULSD specification.		% Biodiesel	%	*In-House	<20.0	0.0		
Phosphorus ppm ASTM D5185m <0.1 0 Zinc ppm ASTM D5185m <0.1 0 Zinc ppm ASTM D5185m <0.1 0 Sulfur value derived by ASTM D4294 method for ULSD validation. Sulfur level is acceptable for ULSD specification. Sulfur ppm ASTM D5185m 0 Sulfur (UVF) ppm ASTM D5453 9		Calcium	ppm	ASTM D5185m	<0.1	0		
Zinc ppm ASTM D5185m <0.1 0		Magnesium	ppm	ASTM D5185m	<0.1	0		
FUEL CONDITION Sulfur value derived by ASTM D4294 method for ULSD validation. Sulfur level is acceptable for ULSD specification. Visc @ 40°C		Phosphorus	ppm	ASTM D5185m	<0.1	0		
Sulfur value derived by ASTM D4294 method for ULSD validation. Sulfur level is acceptable for ULSD specification. Visc @ 40°C		Zinc	ppm	ASTM D5185m	<0.1	0		
Sulfur value derived by ASTM D4294 method for ULSD validation. Sulfur level is acceptable for ULSD specification. Visc @ 40°C	FUEL CONDITION	ASTM Color	scalar	*ASTM D1500		13.0		
Sulfur level is acceptable for ULSD specification. Sulfur ppm ASTM D5185m 0 Sulfur (UVF) ppm ASTM D5453 9	Sulfur value derived by ASTM D4294 method for ULSD validation.							
Sulfur (UVF) ppm ASTM D5453 9								
		API Gravity	Palesson	ASTM D7777		37.7		









Certificate L2367

Laboratory Sample No.

Lab Number Unique Number : 10809904

: DC0031462 : 06049296

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved Diagnosed

: 02 Jan 2024 : 10 Jan 2024 Diagnostician : Doug Bogart

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

US 20736 Contact: LESLIE SNURR LSNURR@KGE.COM T: (410)257-5225 F: (410)257-5227

KELLY GENERATOR & EQUIPMENT INC

* - 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) 1955 DALE LN

OWINGS, MD