



FUEL REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
FUEL CONDITION	NORMAL

Area
[NCPM12H3241607]
 Machine Id
KATOLIGHT D415FRJ4T2 127925-3-1106
 Component
Diesel Fuel
 Fluid
{not provided} (--- GAL)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0029130	---	---
Sample Date		Client Info		29 Dec 2023	---	---
Machine Age	hrs	Client Info		665	---	---
Sample Status				NORMAL	---	---

CORROSION

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

Aluminum	ppm	ASTM D5185m	<0.1	0	---	---
Nickel	ppm	ASTM D5185m	<0.1	0	---	---
Lead	ppm	ASTM D5185m	<0.1	<1	---	---
Vanadium	ppm	ASTM D5185m	<0.1	0	---	---
Iron	ppm	ASTM D5185m	<0.1	0	---	---

CONTAMINANTS

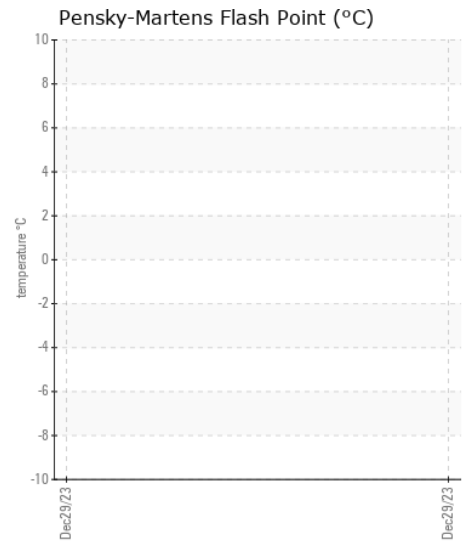
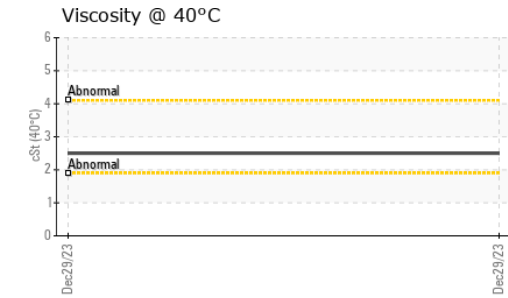
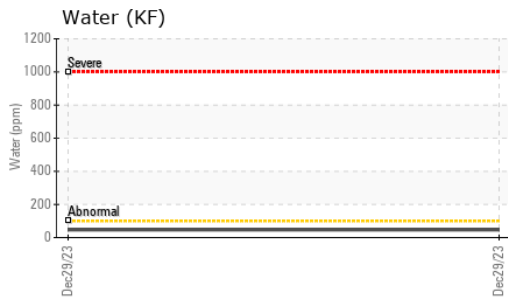
The water content is negligible. There is no Bacteria, Yeast and/or Fungus indicated in the sample. There is no indication of any contamination in the fuel.

Silicon	ppm	ASTM D5185m	<1.0	<1	---	---
Sodium	ppm	ASTM D5185m	<0.1	<1	---	---
Potassium	ppm	ASTM D5185m	<0.1	1	---	---
Water	%	ASTM D6304	<0.05	0.004	---	---
ppm Water	ppm	ASTM D6304	<500	47	---	---
% Gasoline	%	*In-House	<0.50	0.0	---	---
% Biodiesel	%	*In-House	<20.0	0.0	---	---
Calcium	ppm	ASTM D5185m	<0.1	0	---	---
Magnesium	ppm	ASTM D5185m	<0.1	1	---	---
Phosphorus	ppm	ASTM D5185m	<0.1	3	---	---
Zinc	ppm	ASTM D5185m	<0.1	0	---	---

FUEL CONDITION

Sulfur value derived by ASTM D5453 method for ULSD validation.

ASTM Color	scalar	*ASTM D1500		L4.0	---	---
Visc @ 40°C	cSt	ASTM D445		2.5	---	---
Sulfur	ppm	ASTM D5185m		2	---	---
Sulfur (UVF)	ppm	ASTM D5453		16	---	---
API Gravity		ASTM D7777		36.5	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0029130 **Recieved** : 10 Jan 2024
Lab Number : 06057114 **Diagnosed** : 15 Jan 2024
Unique Number : 10823063 **Diagnostician** : Doug Bogart
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)