



FUEL REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
FUEL CONDITION	NORMAL

Area
[PMOAS2537218]
 Machine Id
SD100 3001236197 - ENBRIDGE POWER
 Component
Diesel Fuel
 Fluid
{not provided} (4 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		DC0029137	DC0019303	DCDF01906
Sample Date		Client Info		14 Dec 2023	15 Nov 2022	17 Oct 2019
Machine Age	hrs	Client Info		282	234	0
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	<1
Lead	ppm	ASTM D5185m	<0.1	1	0	2
Vanadium	ppm	ASTM D5185m	<0.1	0	0	0
Iron	ppm	ASTM D5185m	<0.1	0	0	0

CONTAMINANTS

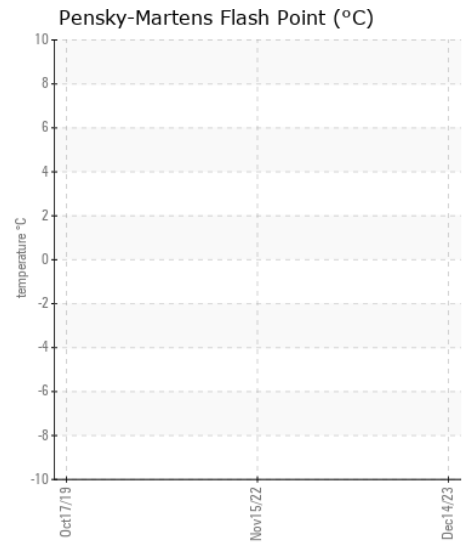
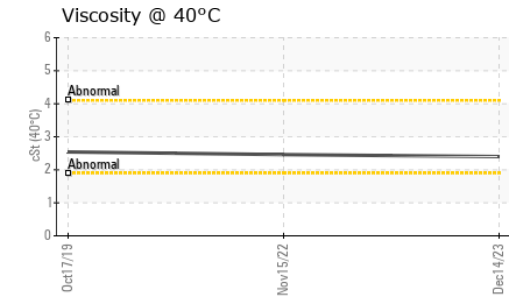
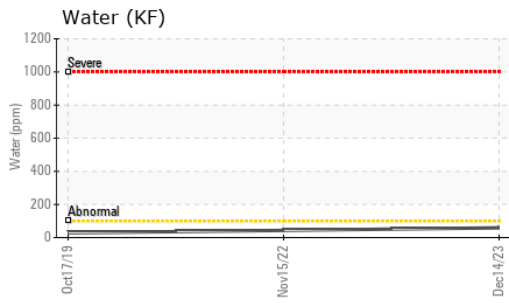
The water content is negligible. There is no Bacteria, Yeast and/or Fungus indicated in the sample. There is no indication of any contamination in the fuel.

Silicon	ppm	ASTM D5185m	<1.0	<1	0	<1
Sodium	ppm	ASTM D5185m	<0.1	1	0	0
Potassium	ppm	ASTM D5185m	<0.1	1	<1	0
Water	%	ASTM D6304	<0.05	0.005	0.004	0.002
ppm Water	ppm	ASTM D6304	<500	59	43.4	28.3
Particles >4µm		ASTM D7647	>2500	---	6697	---
Particles >6µm		ASTM D7647	>640	---	1613	---
Particles >14µm		ASTM D7647	>80	---	130	---
Particles >21µm		ASTM D7647	>20	---	39	---
Particles >38µm		ASTM D7647	>4	---	2	---
Particles >71µm		ASTM D7647	>3	---	0	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	---	20/18/14	---
% 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	<1
Magnesium	ppm	ASTM D5185m	<0.1	<1	0	<1
Phosphorus	ppm	ASTM D5185m	<0.1	3	8	0
Zinc	ppm	ASTM D5185m	<0.1	0	0	1

FUEL CONDITION

Sulfur value derived by ASTM D5453 method for ULSD validation.

ASTM Color	scalar	*ASTM D1500		L4.5	L4.5	L5.5
Visc @ 40°C	cSt	ASTM D445		2.4	2.46	2.54
Sulfur	ppm	ASTM D5185m		6	32	139
Sulfur (UVF)	ppm	ASTM D5453		18	30	141
API Gravity		ASTM D7777		36.6	---	36.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0029137 **Received** : 10 Jan 2024
Lab Number : 06057113 **Diagnosed** : 15 Jan 2024
Unique Number : 10823062 **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)