



FUEL REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
FUEL CONDITION	NORMAL

Area

[PMOAS3201815]

Machine Id

2508404 (S/N B-72384)

Component

Tank Diesel Fuel

Fluid

No.1 DIESEL FUEL (HIGH-SULPHUR) (--- GAL)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0036985	DC0029056	DC0019540
Sample Date		Client Info		17 May 2024	13 Apr 2023	19 Apr 2022
Machine Age	hrs	Client Info		595	592	587
Sample Status				NORMAL	NORMAL	NORMAL

CORROSION

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

Aluminum	ppm	ASTM D5185m	<0.1	0	<1	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

CONTAMINANTS

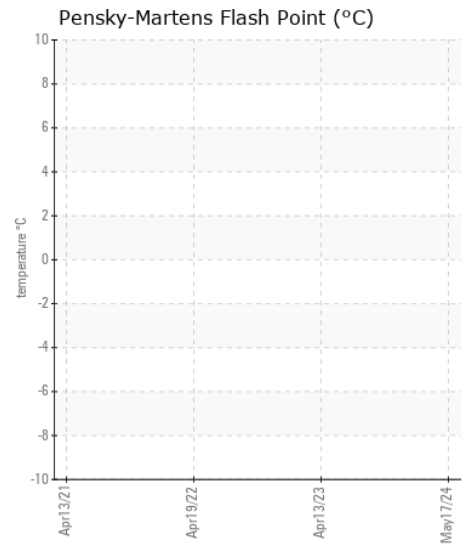
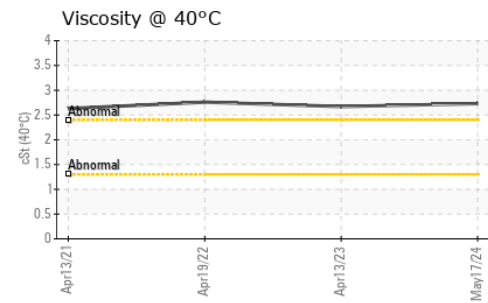
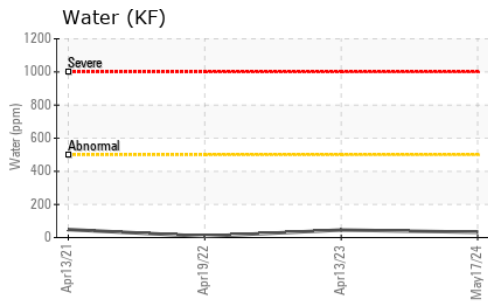
The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. There is no indication of any contamination in the fuel.

Silicon	ppm	ASTM D5185m	<1.0	4	0	0
Sodium	ppm	ASTM D5185m	<0.1	1	<1	0
Potassium	ppm	ASTM D5185m	<0.1	<1	0	0
Water	%	ASTM D6304	<0.05	0.003	0.004	0.001
ppm Water	ppm	ASTM D6304	<500	32	45.7	8.0
Particles >4µm		ASTM D7647	>2500	---	---	6438
Particles >6µm		ASTM D7647	>640	---	---	2058
Particles >14µm		ASTM D7647	>80	---	---	179
Particles >21µm		ASTM D7647	>20	---	---	34
Particles >38µm		ASTM D7647	>4	---	---	3
Particles >71µm		ASTM D7647	>3	---	---	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	---	---	20/18/15
% 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	3	0	0
Magnesium	ppm	ASTM D5185m	<0.1	0	<1	0
Phosphorus	ppm	ASTM D5185m	<0.1	4	0	0
Zinc	ppm	ASTM D5185m	<0.1	0	0	0

FUEL CONDITION

Sulfur value derived by ASTM D5453 method for ULSD validation.

ASTM Color	scalar	*ASTM D1500		L5.0	L5.0	L6.0
Visc @ 40°C	cSt	ASTM D445		2.73	2.67	2.76
Sulfur	ppm	ASTM D5185m	275	1039	635	814
Sulfur (UVF)	ppm	ASTM D5453		925	896	885
API Gravity		ASTM D7777	40.1	33.8	34.0	34.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0036985
Lab Number : **06188182**
Unique Number : 11044934
Test Package : DF-5 (Additional Tests: API, Cetane, Fuel, PrtCount, Screen)

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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)