



FUEL REPORT

CORROSION	NORMAL
CONTAMINANTS	ABNORMAL
FUEL CONDITION	NORMAL

Area
[PMIAS3325059]

Machine Id
129086-1006

Component
Diesel Fuel

Fluid
No.2 DIESEL FUEL (LOW-SULPHUR) (5000 GAL)

RECOMMENDATION

We advise that you follow the water drain-off procedure for this component.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0036989	DC0023542	DC0024973
Sample Date		Client Info		09 May 2024	07 Feb 2023	08 Nov 2022
Machine Age	hrs	Client Info		574	0	205
Sample Status				ABNORMAL	NORMAL	NORMAL

CORROSION

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

Aluminum	ppm	ASTM D5185m	<0.1	0	0	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

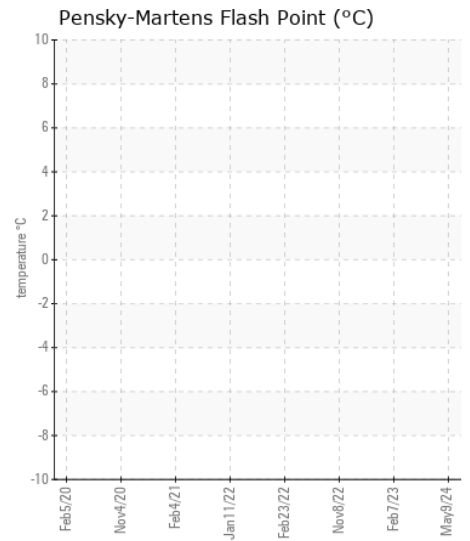
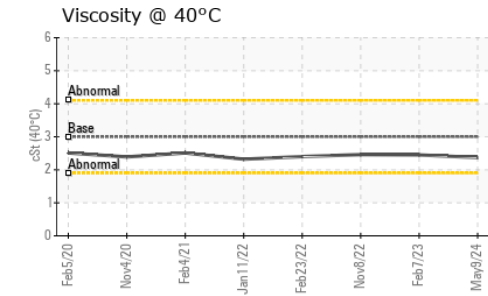
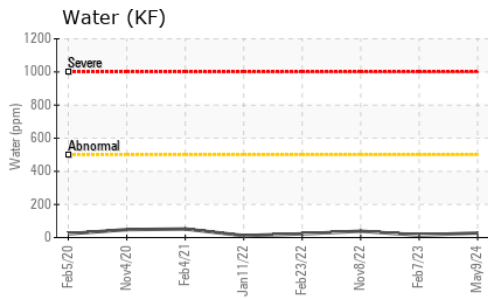
Free water present. There is no bacteria or fungus (yeast and/or mold) present in the sample.

Silicon	ppm	ASTM D5185m	<1.0	<1	0	0
Sodium	ppm	ASTM D5185m	<0.1	0	<1	0
Potassium	ppm	ASTM D5185m	<0.1	0	0	0
Water	%	ASTM D6304	<0.05	0.003	0.001	0.003
ppm Water	ppm	ASTM D6304	<500	28	14.8	38.6
Particles >4µm		ASTM D7647	>2500	---	5305	2824
Particles >6µm		ASTM D7647	>640	---	1213	905
Particles >14µm		ASTM D7647	>80	---	24	97
Particles >21µm		ASTM D7647	>20	---	4	20
Particles >38µm		ASTM D7647	>4	---	0	1
Particles >71µm		ASTM D7647	>3	---	0	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	---	20/17/12	19/17/14
% Gasoline	%	*In-House	<0.50	0.0	0.0	0.0
% Biodiesel	%	*In-House	<20.0	0.0	0.0	0.0
Bacteria	CFU/ml	WC-Method	>=100000	0	---	---
Yeast	CFU/ml	WC-Method	>=100000	0	---	---
Mold	Colonies	WC-Method	MODER	---	---	---
Calcium	ppm	ASTM D5185m	<0.1	0	1	<1
Magnesium	ppm	ASTM D5185m	<0.1	0	<1	<1
Phosphorus	ppm	ASTM D5185m	<0.1	53	1	0
Zinc	ppm	ASTM D5185m	<0.1	0	6	0

FUEL CONDITION

Sulfur value derived by ASTM D5453 method for ULSD validation. Sulfur level is acceptable for ULSD specification.

ASTM Color	scalar	*ASTM D1500		L4.0	L2.5	L2.0
Visc @ 40°C	cSt	ASTM D445	3.0	2.37	2.45	2.46
Sulfur	ppm	ASTM D5185m	250	0	0	19
Sulfur (UVF)	ppm	ASTM D5453		13	20	20
API Gravity		ASTM D7777	37.7	37.2	36.9	36.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0036989
Lab Number : 06188177
Unique Number : 11044929
Test Package : DF-5 (Additional Tests: API, Bacteria, Cetane, Fuel, PrtCount, Screen)

Received : 22 May 2024
Tested : 04 Jun 2024
Diagnosed : 04 Jun 2024 - Doug Bogart

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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)