

FUEL REPORT

Prisma Health-Clemson School of Nursing [15018] [Prisma Health-Clemson School of Nursing] CSON

Diesel Fuel

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (400 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel.

Corrosion

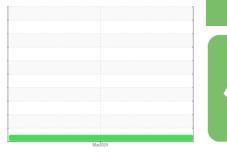
All metal levels are normal indicating no corrosion in the system.

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. The amount and size of particulates present in the system are acceptable.

Fuel Condition

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



Sample Rating Trend

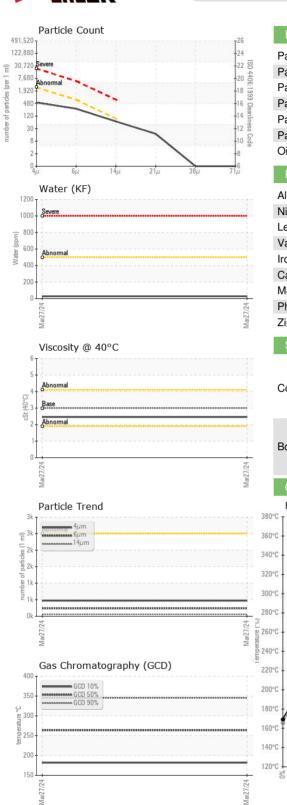


NORMAL

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06139071		
Sample Date		Client Info		27 Mar 2024		
Machine Age	hrs	Client Info		0		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Fuel Color	text	*Visual Screen	Yllow	Red		
ASTM Color	scalar	*ASTM D1500		L4.0		
Visc @ 40°C	cSt	ASTM D445	3.0	2.46		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	59		
SULFUR CONTER	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	2		
Sulfur (UVF)	ppm	ASTM D5453		11		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	169		
5% Distillation Point	°C	ASTM D86		194		
10% Distill Point	°C	ASTM D86	201	204		
15% Distillation Point	°C	ASTM D86		212		
20% Distill Point	°C	ASTM D86	216	220		
30% Distill Point	°C	ASTM D86	230	234		
40% Distill Point	°C	ASTM D86	243	248		
50% Distill Point	°C	ASTM D86	255	261		
60% Distill Point	°C	ASTM D86	267	274		
70% Distill Point	°C	ASTM D86	280	288		
80% Distill Point	°C	ASTM D86	295	303		
85% Distillation Point	°C	ASTM D86		314		
90% Distill Point	°C	ASTM D86	310	325		
95% Distillation Point	°C	ASTM D86		343		
Final Boiling Point	°C	ASTM D86	341	356		
IGNITION QUALI	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	37		
Cetane Index		ASTM D4737	<40.0	49		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0		
Sodium	ppm	ASTM D5185m	<0.1	<1		
Potassium	ppm	ASTM D5185m	<0.1	0		
Water	%	ASTM D6304	<0.05	0.003		
ppm Water	ppm	ASTM D6304	<500	27		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



FUEL REPORT



т26	FLUID CLEANLI	NESS	method	limit/base	current	history1	history2
-24	Particles >4µm		ASTM D7647	>2500	471		
-22 ISO -20 4406:1999 Cleanliness -16 -14 -114	Particles >6µm		ASTM D7647	>640	239		
18 19	Particles >14µm		ASTM D7647	>80	59		
-16 0	Particles >21µm		ASTM D7647	>20	15		
-14 lin	Particles >38µm		ASTM D7647	>4	0		
-12 % Cod	Particles >71µm		ASTM D7647	>3	0		
-8	Oil Cleanliness		ISO 4406 (c)	>18/16/13	16/15/13		
71µ	HEAVY METALS	\$	method	limit/base	current	history1	history2
	Aluminum	ppm	ASTM D5185m	<0.1	0		
	Nickel	ppm	ASTM D5185m	<0.1	0		
	Lead	ppm	ASTM D5185m	<0.1	0		
	Vanadium	ppm	ASTM D5185m	<0.1	0		
	Iron	ppm	ASTM D5185m	<0.1	0		
	Calcium	ppm	ASTM D5185m	<0.1	0		
	Magnesium	ppm	ASTM D5185m	<0.1	0		
24	Phosphorus	ppm	ASTM D5185m	<0.1	0		
Mar27/24	Zinc	ppm	ASTM D5185m	<0.1	0		
	SAMPLE IMAGE	S	method	limit/base	current	history1	history2
	Color					no image	no image
7/24	Bottom					no image	no image
Mar27/24	GRAPHS						1
	Fuel Distillation C	urve			Pensky-Martens	Flash Point	(°C)
3	80°C Sample			temperature °C	70		
3	60°CBaseline			eratur	60 Base		
3	40°C -			le le	50		
3	20°C -			11	40		
			1		Mar27/24		
	00°C -		1.00		∠ GCD Spectrum		
	80°C -	,	1.00	7			
2	60°C	-					
1	80°C			2			
Mar27/24 -	0% 10% 20% 30%	ercent Recovered		90% -	0 - « 0 ° ;	Time (min) 81 82	21 23 25 26 28 28
	: WearCheck USA - 50	01 Madisc	on Ave., Cary	, NC 27513	PETROLI		ERY SERVICE
ple No. Number e Number	: WC06139071 : <mark>06139071</mark> : 10963879 : DF-2 (Additional Tes		ed : 15 nosed : 15	4 Apr 2024 5 Apr 2024 Apr 2024 - D	oug Bogart	SUM	10 POWELL D IMERVILLE, S US 2948 ontact: AJAY E



Test Package : DF-2 (Additional Tests: Fuel, Screen) Certificate L2367 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)

Contact/Location: AJAY EL - PETSUM

Page 2 of 2

F:

Ajay@prsfuel.com T: (843)225-1777