

# **FUEL REPORT**

# BISHOP GADSDEN EPOSCOPAL RETIREMENT COMMUNITY [5017] [BISHOP GADSDEN EPOSCOPAL RETIREMENT COMMUNITY] KATOLIGHT

Diesel Fuel Fluid

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (230 GAL)

# DIAGNOSIS

## A Recommendation

We advise that you filter this fluid before use. All laboratory tests indicate that this sample meets specifications for No.2 low-sulfur diesel fuel.

#### Corrosion

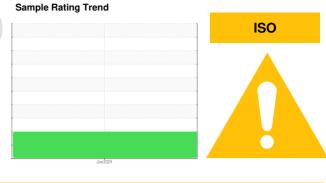
All metal levels are normal indicating no corrosion in the system.

## Contaminants

There is a high amount of particulates present in the fuel. Light concentration of visible dirt/debris present in the fuel. The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample.

## **Fuel Condition**

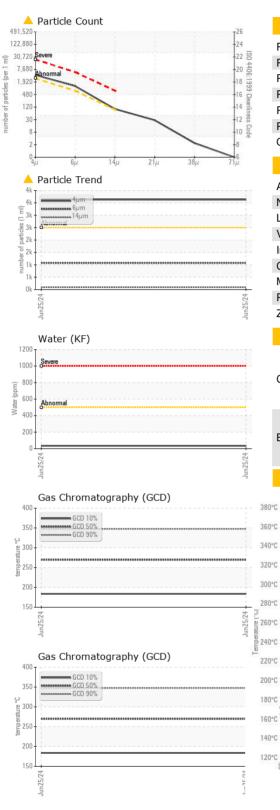
Sulfur value derived by ASTM D5453 method for ULSD validation.



SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0957785		
Sample Date		Client Info		25 Jun 2024		
Machine Age	hrs	Client Info		0		
Sample Status				ABNORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Fuel Color	text	*Visual Screen	Yllow	Red		
ASTM Color	scalar	*ASTM D1500		L4.5		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	61.8		
SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0		
Sulfur (UVF)	ppm	ASTM D5453		47		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	172		
5% Distillation Point	°C	ASTM D86		196		
10% Distill Point	°C	ASTM D86	201	207		
15% Distillation Point	°C	ASTM D86		215		
20% Distill Point	°C	ASTM D86	216	224		
30% Distill Point	°C	ASTM D86	230	239		
40% Distill Point	°C	ASTM D86	243	253		
50% Distill Point	°C	ASTM D86	255	266		
60% Distill Point	°C	ASTM D86	267	279		
70% Distill Point	°C	ASTM D86	280	292		
80% Distill Point	°C	ASTM D86	295	307		
85% Distillation Point	°C	ASTM D86		317		
90% Distill Point	°C	ASTM D86	310	327		
95% Distillation Point	°C	ASTM D86		343		
Final Boiling Point	°C	ASTM D86	341	356		
IGNITION QUALIT	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	36		
Cetane Index		ASTM D4737	<40.0	48		
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	34		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



# FUEL REPORT



Particles >4µm ASTM D7647 >2500 A 3632 Particles >14µm ASTM D7647 >640 A 1076 Particles >21µm ASTM D7647 >80 A 86 Particles >21µm ASTM D7647 >20 25 Particles >21µm ASTM D7647 >3 0 Particles >38µm ASTM D7647 >3 0 Oli Cleanliness ISO 4406 (c) >18/16/13 A 19/17/14 HEAVY METALS method Imitbase current history1 Aluminum ppm ASTM D5165m <0.1 0 Lead ppm ASTM D5165m <0.1 0 Calcium ppm ASTM D5165m <0.1 0 Calcium ppm ASTM D5165m <0.1 0 Tino ppm ASTM D5165m <0.1 0 Zinc ppm ASTM D5165m <0.1 0 SAMPLE IMAGES method Imitbase current history1 ASTM D5165m <0.1 0 SAMPLE IMAGES method Imitbase current history1 Magnesium ppm ASTM D5165m <0.1 0 Tino ppm ASTM D5165m <0.1 0 SAMPLE IMAGES method Imitbase current history1 Magnesium ppm ASTM D5165m <0.1 0 GO Tino ppm ASTM D5165m <0.1 0 Tino ppm ASTM D5165m <0.1 0 SAMPLE IMAGES method Imitbase current history1 Magnesium ppm ASTM D5165m <0.1 0 SAMPLE IMAGES method Imitbase current history1 Magnesium ppm ASTM D5165m <0.1 0 SAMPLE IMAGES method Imitbase current history1 Magnesium ppm ASTM D5165m <0.1 0 SAMPLE IMAGES method Imitbase current history1 Magnesium ppm ASTM D5165m <0.1 0 SAMPLE IMAGES method Imitbase current history1 Magnesium ppm ASTM D5165m <0.1 0 SAMPLE IMAGES method Imitbase current history1 Magnesium ppm ASTM D5165m <0.1 0 SAMPLE IMAGES method Imitbase current history1 Magnesium ppm ASTM D5165m <0.1 0 SAMPLE IMAGES method Imitbase current history1 Magnesium ppm ASTM D5165m <0.1 0 SAMPLE IMAGES method Imitbase current history1 Magnesium ppm ASTM D5165m <0.1 0 Magnesium ppm		NESS	method	limit/base	Э	current	history1	histor
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Particles >21µm ASTM D7647 >20 25 Particles >38µm ASTM D7647 >4 2 Particles >38µm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) >18/16/13 19/17/14 HEAVY METALS method limit/base current history1 Aluminum ppm ASTM D5185m <0.1 0 Lead ppm ASTM D5185m <0.1 0 Vanadium ppm ASTM D5185m <0.1 0 Calcium ppm ASTM D5185m <0.1 0 Calcium ppm ASTM D5185m <0.1 0 Phosphorus ppm ASTM D5185m <0.1 0 Zinc ppm ASTM D5185m <0.1 0 SAMPLE IMAGES method limit/base current history1 Color no Image GRAPHS Fuel Distillation Curve GBAPHS Fuel Distillation Curve GCD Spectrum GCD	Particles >6µm		ASTM D7647	>640		1076		
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Particles >71µm  ASTM D7647  >3  0     Dil Cleanliness  ISO 4406 (c)  >18/16/13  19/17/14     HEAVY METALS  method  limit/base  current  history1    Aluminum  ppm  ASTM D5185m  <0.1	Particles >21µm		ASTM D7647	>20		25		
Oil Cleanliness  ISO 4406 (c)  >18/16/13 ▲ 19/17/14     HEAVY METALS  method  limit/base  current  history1    Aluminum  ppm  ASTM 05185m  <0.1	Particles >38µm		ASTM D7647	>4		2		
HEAVY METALS  method  limit/base  current  history1    Aluminum  ppm  ASTM D5185m  <0.1	Particles >71µm		ASTM D7647	>3		0		
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Unique Number : 11098803 Test Package : DF-2 (Additional Tests: Fuel, Screen) Certificate 12367 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)

F: Contact/Location: AJAY EL - PETSUM

Report Id: PETSUM [WUSCAR] 06220606 (Generated: 07/01/2024 16:48:10) Rev: 1

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