

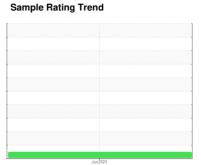
FUEL REPORT



[PMO2H2859399] **CATERPILLAR SR4B 8DR01475**

Diesel Fuel

No.2 DIESEL FUEL (ULTRA





Recommendation

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.

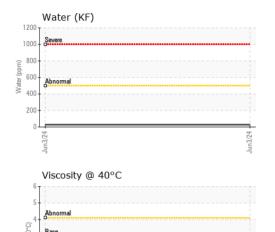
Fuel Condition

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

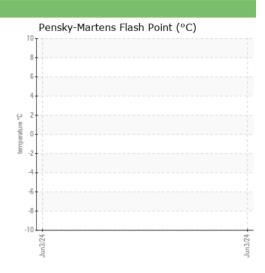
ALOW SULPHUR)	(QTS)			Jun 2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		DC0035901		
Sample Date		Client Info		03 Jun 2024		
Machine Age	hrs	Client Info		700		
Sample Status				NORMAL		
PHYSICAL PRO	PERTIES	method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		L4.0		
Visc @ 40°C	cSt	ASTM D445	3.0	2.32	***	
SULFUR CONTE	ENT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	21		
Sulfur (UVF)	ppm	ASTM D5453		8		
IGNITION QUAL	ITY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	37.8		
CONTAMINANTS	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<1		
Sodium	ppm	ASTM D5185m	< 0.1	1		
Potassium	ppm	ASTM D5185m	< 0.1	1		
Water	%	ASTM D6304	< 0.05	0.003		
ppm Water	ppm	ASTM D6304	<500	28		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	2.1		
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	2		
Magnesium	ppm	ASTM D5185m	<0.1	0		
Phosphorus	ppm	ASTM D5185m	< 0.1	2		
Zinc	ppm	ASTM D5185m	<0.1	0		
SAMPLE IMAGE	S	method	limit/base	current	history1	history2
Color				4	no image	no image
Bottom					no image	no image



FUEL REPORT









Certificate 12367

Laboratory

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 **Sample No.** : DC0035901 Lab Number : 06199738

Unique Number : 11061861

Received Tested Diagnosed

: 04 Jun 2024 : 13 Jun 2024

: 13 Jun 2024 - Doug Bogart **Test Package**: DF-5 (Additional Tests: API, Cetane, Fuel, PrtCount, Screen)

US 20736 Contact: LESLIE SNURR LSNURR@KGE.COM T: (410)257-5225

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: (410)257-5227 Contact/Location: LESLIE SNURR - KELOWI

KELLY GENERATOR & EQUIPMENT INC

1955 DALE LN

OWINGS, MD