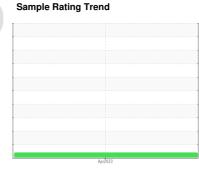


FUEL REPORT







Machine Id Component **Diesel Fuel** NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.

Corrosion

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

Contaminants

Moderate concentration of visible dirt/debris present in the fuel. There is no bacteria or fungus (yeast and/or mold) present in the sample. The water content is negligible.

Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation.

		<u> </u>	А	Apr2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0798118		
Sample Date		Client Info		30 Apr 2023		
Machine Age	hrs	Client Info		0		
Sample Status				ABNORMAL		
PHYSICAL PROP	EDTIES	method	limit/base	current	history1	history2
	LITTLO		IIIIII/Dase		HISTORY	HIStoryZ
Specific Gravity		*ASTM D1298		0.844		
Fuel Color	text	*Visual Screen		Red		
ASTM Color	scalar	*ASTM D1500		L4.0		
Visc @ 40°C	cSt	ASTM D445		2.57		
Pensky-Martens Flash Point	°C	*PMCC Calculated		58		
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		0		
Sulfur (UVF)	ppm	ASTM D5453		210		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		161		
5% Distillation Point	°C	ASTM D86		190		
10% Distill Point	°C	ASTM D86		201		
15% Distillation Point		ASTM D86		211		
20% Distill Point	°C	ASTM D86		219		
30% Distill Point	°C	ASTM D86		233		
40% Distill Point	°C	ASTM D86		247		
50% Distill Point	°C	ASTM D86		261		
60% Distill Point	°C	ASTM D86		275		
70% Distill Point	°C	ASTM D86		290		
80% Distill Point	°C	ASTM D86		306		
85% Distillation Point	°C	ASTM D86		316		
90% Distill Point	°C	ASTM D86		326		
95% Distillation Point	°C	ASTM D86		342		
Final Boiling Point	°C	ASTM D86		342		
Distillation Residue	%	ASTM D86		1.4		
Distillation Loss	%	ASTM D86		0.4		
			12			
IGNITION QUALIT	I Y	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		36.2		
Cetane Index		ASTM D4737	<40.0	47.0		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0		
Sodium	ppm	ASTM D5185m	< 0.1	0		
Potassium	ppm	ASTM D5185m	< 0.1	0		
Water	%	ASTM D6304	< 0.05	0.005		
ppm Water	ppm	ASTM D6304	<500	53.2		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	1.4		
% Biodiesel	%	*In-House	<20.0	1.4		



FUEL REPORT







Certificate L2367

Laboratory Sample No. Unique Number

Lab Number

: 05833377 : 10446870

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0798118

Received Diagnosed

: 12 May 2023 Diagnostician : Doug Bogart

: 28 Apr 2023

Test Package: DF-2 (Additional Tests: BACTERIA, Screen) 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)

KB POWER SYSTEMS LLC

738 Old Buies Creek Rd Lillington, NC US 27546

Contact: DWAYNE REGISTER dwayne@kbpowersystemsnc.com

T: (919)577-9136 F:

Report Id: KBPHOL [WUSCAR] 05833377 (Generated: 09/15/2023 13:01:19) Rev: 1

Contact/Location: DWAYNE REGISTER - KBPHOL