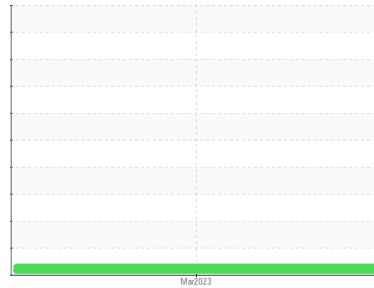




FUEL REPORT

Sample Rating Trend



VIS DEBRIS



Machine Id
SLS 21 - 38 WOOD STREAM TRAIL

Component
Diesel Fuel
Fluid
{not provided} (--- 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. Sulfur level is acceptable for ULSD specification.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0798120	---	---
Sample Date	Client Info	08 Mar 2023	---	---
Machine Age	hrs Client Info	0	---	---
Sample Status		ABNORMAL	---	---

PHYSICAL PROPERTIES

method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298	0.841	---	---
Fuel Color	text *Visual Screen	Yellow	---	---
ASTM Color	scalar *ASTM D1500	L1.0	---	---
Visc @ 40°C	cSt ASTM D445	2.48	---	---
Pensky-Martens Flash Point	°C *PMCC Calculated	57	---	---

SULFUR CONTENT

method	limit/base	current	history1	history2
Sulfur	ppm ASTM D5185m	0	---	---
Sulfur (UVF)	ppm ASTM D5453	12	---	---

DISTILLATION

method	limit/base	current	history1	history2
Initial Boiling Point	°C ASTM D86	160	---	---
5% Distillation Point	°C ASTM D86	187	---	---
10% Distill Point	°C ASTM D86	198	---	---
15% Distillation Point	°C ASTM D86	208	---	---
20% Distill Point	°C ASTM D86	215	---	---
30% Distill Point	°C ASTM D86	230	---	---
40% Distill Point	°C ASTM D86	245	---	---
50% Distill Point	°C ASTM D86	259	---	---
60% Distill Point	°C ASTM D86	273	---	---
70% Distill Point	°C ASTM D86	289	---	---
80% Distill Point	°C ASTM D86	305	---	---
85% Distillation Point	°C ASTM D86	315	---	---
90% Distill Point	°C ASTM D86	327	---	---
95% Distillation Point	°C ASTM D86	344	---	---
Final Boiling Point	°C ASTM D86	351	---	---
Distillation Residue	% ASTM D86	1.4	---	---
Distillation Loss	% ASTM D86	0.7	---	---

IGNITION QUALITY

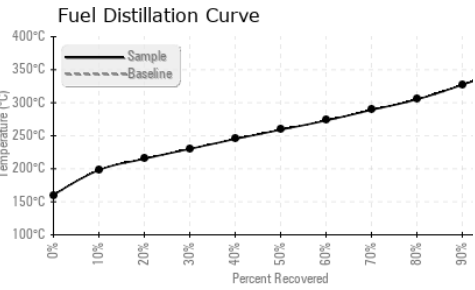
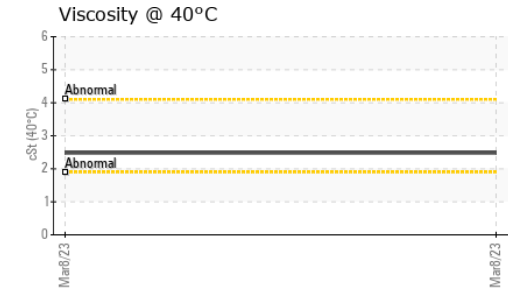
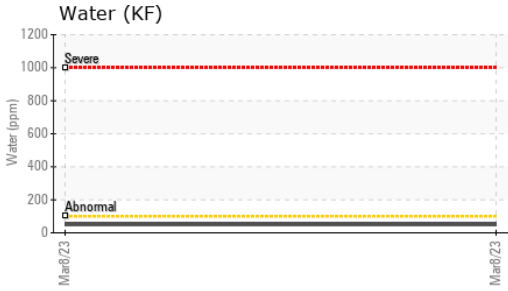
method	limit/base	current	history1	history2
API Gravity	ASTM D7777	36.8	---	---
Cetane Index	ASTM D4737 <40.0	47.7	---	---

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	50.1	---	---
% Gasoline	% *In-House <0.50	0.0	---	---
% Biodiesel	% *In-House <20.0	0.0	---	---



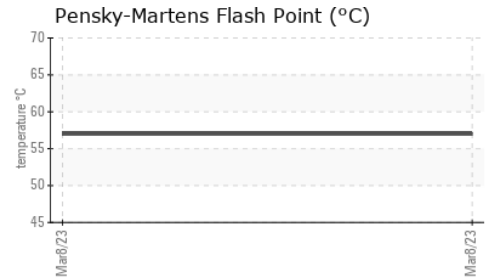
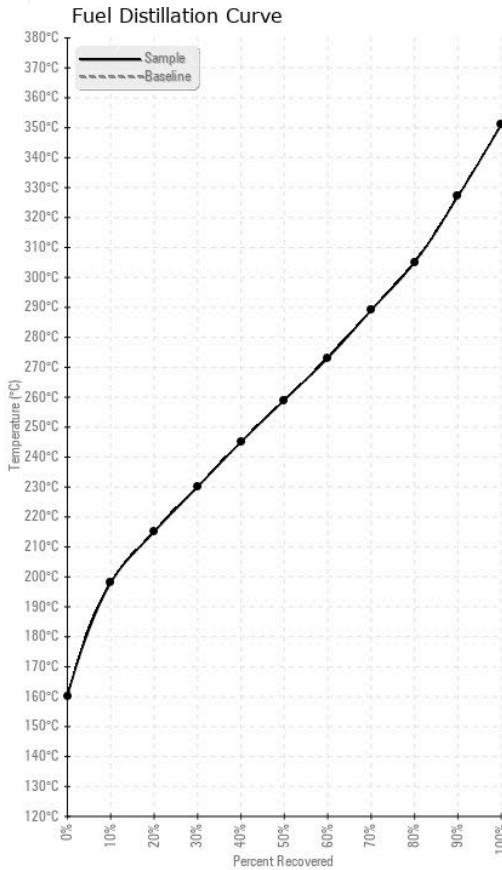
FUEL REPORT



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	---	---
Phosphorus	ppm	ASTM D5185m	<0.1	0	---	---
Zinc	ppm	ASTM D5185m	<0.1	0	---	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	
Bottom				no image	no image	

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0798120 **Received** : 28 Apr 2023
Lab Number : 05833359 **Diagnosed** : 12 May 2023
Unique Number : 10446852 **Diagnostician** : Doug Bogart
Test Package : DF-2 (Additional Tests: Screen)

KB POWER SYSTEMS LLC
 738 Old Buies Creek Rd
 Lillington, NC
 US 27546

Contact: DWAYNE REGISTER
 dwayne@kbpowersystemsnc.com

T: (919)577-9136

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: