



# FUEL REPORT

CORROSION	<b>NORMAL</b>
CONTAMINANTS	<b>ABNORMAL</b>
FUEL CONDITION	<b>NORMAL</b>

Area  
**[NCPM03035679]**  
 Machine Id  
**DETROIT 23.9L 250054 (S/N 0688849)**  
 Component  
**Diesel Fuel**  
 Fluid  
**DIESEL ENGINE OIL SAE 15W40 (--- QTS)**

## RECOMMENDATION

We advise that you follow the water drain-off procedure for this component, 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.

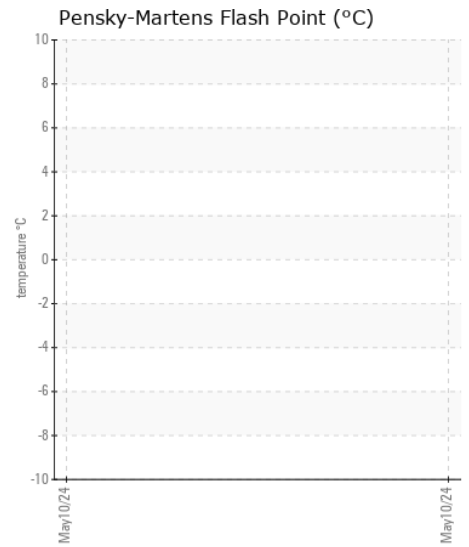
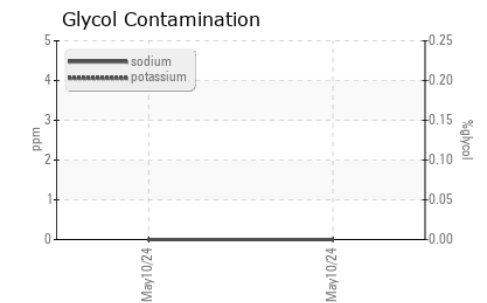
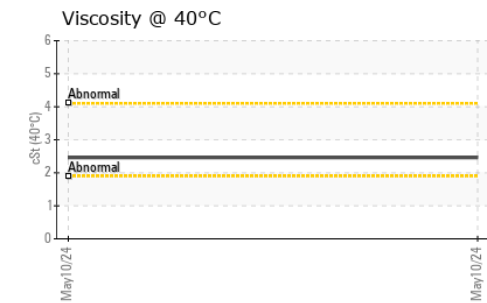
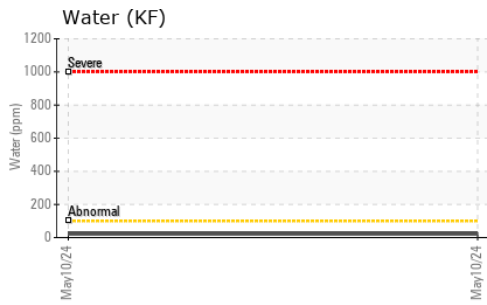
## CONTAMINANTS

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

## FUEL CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>DC0028725</b>	---	---
Sample Date		Client Info		<b>10 May 2024</b>	---	---
Machine Age	hrs	Client Info		<b>1413</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---
Aluminum	ppm	ASTM D5185m	<0.1	<b>0</b>	---	---
Nickel	ppm	ASTM D5185m	<0.1	<b>0</b>	---	---
Lead	ppm	ASTM D5185m	<0.1	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m	<0.1	<b>0</b>	---	---
Iron	ppm	ASTM D5185m	<0.1	<b>0</b>	---	---
Silicon	ppm	ASTM D5185m	<1.0	<b>&lt;1</b>	---	---
Sodium	ppm	ASTM D5185m	<0.1	<b>0</b>	---	---
Potassium	ppm	ASTM D5185m	<0.1	<b>0</b>	---	---
Water	%	ASTM D6304	<0.05	<b>0.002</b>	---	---
ppm Water	ppm	ASTM D6304	<500	<b>22</b>	---	---
% Gasoline	%	*In-House	<0.50	<b>0.0</b>	---	---
% Biodiesel	%	*In-House	<20.0	<b>0.0</b>	---	---
Bacteria	CFU/ml	WC-Method	>=100000	<b>0</b>	---	---
Yeast	CFU/ml	WC-Method	>=100000	<b>0</b>	---	---
Mold	Colonies	WC-Method	MODER	<b>---</b>	---	---
Calcium	ppm	ASTM D5185m	<0.1	<b>0</b>	---	---
Magnesium	ppm	ASTM D5185m	<0.1	<b>0</b>	---	---
Phosphorus	ppm	ASTM D5185m	<0.1	<b>16</b>	---	---
Zinc	ppm	ASTM D5185m	<0.1	<b>0</b>	---	---
ASTM Color	scalar	*ASTM D1500		<b>L4.5</b>	---	---
Visc @ 40°C	cSt	ASTM D445	115	<b>2.46</b>	---	---
Sulfur	ppm	ASTM D5185m	4250	<b>0</b>	---	---
Sulfur (UVF)	ppm	ASTM D5453		<b>8</b>	---	---
API Gravity		ASTM D7777		<b>36.9</b>	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : DC0028725  
**Lab Number** : 06188178  
**Unique Number** : 11044930  
**Test Package** : DF-5 ( Additional Tests: API, Bacteria, Cetane, Fuel, Glycol, PrtCount, Screen

**KELLY GENERATOR & EQUIPMENT INC**  
 1955 DALE LN  
 OWINGS, MD  
 US 20736  
 Contact: LESLIE SNURR  
 LSNURR@KGE.COM  
 T: (410)257-5225  
 F: (410)257-5227

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)