

# SOUTHWEST RESEARCH INSTITUTE®

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May 15, 2013

George Fennell  
Steel Shield Technologies  
3351 Industrial Blvd  
Bethel Park, PA 15102-2543  
Phone: 1-800-390-1535  
Email:

Re: Fuel Analysis Results  
Project 1.08.05.11.11831.01.001  
SwRI WO# 68291  
PO# 102

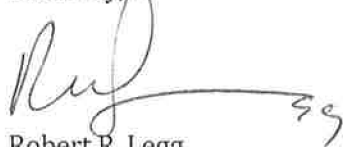
Dear Mr. Fennell:

Analyses have been completed on your samples in accordance with the tests requested. Five samples were received in good condition on May 1<sup>st</sup>, 2013 in good condition. Four samples were received in one gallon plastic containers and one sample was received in a one quart plastic bottle. No testing was requested on the sample received in the one quart bottle. . Testing took place between May 6<sup>th</sup> and May 10<sup>th</sup> 2013. Test results and sample identifications are shown in the table attached.

Analyses were performed according to the listed ASTM test procedures with no modifications or deviations. Precision should be consistent with those stated in the ASTM test procedures. Sample aliquots were taken in accordance with the various ASTM test procedures. The analyses above pertain only to the sample received by Southwest Research Institute and represent only that sampling lot. This report shall not be reproduced except in full without the express written permission of Southwest Research Institute.

If there are any questions concerning these analyses, or if you need any additional testing on the samples, please contact me at (210) 522-2071. We appreciate the opportunity to be of service to your firm.

Sincerely,



Robert R. Legg  
Fuels Laboratory Manager  
Fuels & Lubricants Research Department  
Office of Automotive Engineering



Benefiting government, industry and the public through innovative science and technology



## Test Summary Report

May 15<sup>th</sup>, 2013

Steel Shield Technologies

*SwRI Lab# 17274*

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Steel Shield Super Synthetic  
5W-30  
1 Gallon Plastic Jug

### ASTM D2782 Measurement of Extreme-Pressure Properties of Lubricating Fluids (Timken Method)

Okay Load, lbs .....	45
Score Load, lbs .....	50
Temperature, °C .....	39

*SwRI Lab# 17275*

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Steel Shield XHD-7  
SAE 15W-40  
1 Gallon Plastic Jug

### ASTM D2782 Measurement of Extreme-Pressure Properties of Lubricating Fluids (Timken Method)

Okay Load, lbs .....	35
Score Load, lbs .....	40
Temperature, °C .....	38



**Test Summary Report**

May 15<sup>th</sup>, 2013

Steel Shield Technologies

*SwRI Lab# 17276*

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Shell Rotella T  
SAE 15W-40  
1 Gallon Plastic Jug

ASTM D2782 Measurement of Extreme-Pressure Properties of Lubricating Fluids (Timken Method)

Okay Load, lbs .....	21
Score Load, lbs .....	24
Temperature, °C .....	38

*SwRI Lab# 17277*

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Mobil 1  
5W-30  
1 Gallon Plastic Jug

ASTM D2782 Measurement of Extreme-Pressure Properties of Lubricating Fluids (Timken Method)

Okay Load, lbs .....	12
Score Load, lbs .....	15
Temperature, °C .....	38

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