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1 October 2011

**Committee D15 on Engine Coolants
Subcommittee D15.93 on Research and Long Range Planning**

Research Report D15-1029

**Interlaboratory Study to Establish Precision Statements for ASTM
D7716-11, Test Method for Determination of Residual Methanol in
Glycerin by Gas Chromatography**

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1. Introduction:

Interlaboratory Study 658 was conducted to establish a precision statement for D7716-11, Test Method for Determination of Residual Methanol in Glycerin by Gas Chromatography.

2. Test Method:

The Test Method used for this ILS is D7716-11. To obtain a copy of D7716, go to ASTM's website, www.astm.org, or contact ASTM Customer Service by phone at **610-832-9585** (8:30 a.m. - 4:30 p.m. Eastern U.S. Standard Time, Monday through Friday) or by email at service@astm.org.

3. Participating Laboratories:

The following laboratories participated in this interlaboratory study

1. Cargill (Kansas City)
2309 Front Street
Kansas City, MO
64120
US
Melissa Hurt
Melissa_Hurt@cargill.com

2. Cargill
13400 15th Avenue N Suite B
Plymouth, MN
55441
US
Stacy Lewis
Stacy_Lewis@cargill.com

3. Future Fuels Chemical
Company
2800 Gap Road Batesville
Batesville, AR
72501
US
Joan McKinney
870-698-5494
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4. Huntsman Corporation
Performance Products
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3025
AU
Alex Sobolewski
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5. Prestone Honeywell
69 Eagle Road
Danbury, CT
06810
US
Peter Woyciejes
peter.woyciesjes@honeywell.com

6. RTI Laboratories Industrial
Facilities
33080 Industrial
Livonia, MI
48150
US
Lloyd Kaufman
(734) 422-8000
lkaufman@rtilab.com

7. Valvoline Laboratory
251 Yorkshire Blvd.
Lexington, KY
40509
US

David Embaugh
(859) 357-3520
dfembaugh@ashland.com

4. Description of Samples:

There were 3 samples of varying targeted results used for this study. Each sample was prepared and distributed by Charles Tanger of Cargill . Below is a list of the samples with the corresponding supplier:

1. 5441.72-A
 Provided by Cargill
2. 5441.72-B
 Provided by Cargill
3. 5441.72-C
 Provided by Cargill

5. Interlaboratory Study Instructions

Laboratory participants were emailed the test program instructions. For a copy of the instructions, please see Annex A.

6. Description of Equipment/Apparatus¹:

For information on the equipment/apparatus used by each laboratory, please see Annex B.

7. Data Report Forms:

Each laboratory was provided with a data report form for the collection of data. A copy of the data is provided in Annex C.

Please note: The laboratories have been randomly coded and cannot be identified herein.

8. Statistical Data Summary:

A summary of the statistics calculated from the data returned by the participating laboratories is provided in Annex D.

9. Precision and Bias Statement:

¹ The equipment listed was used to develop a precision statement for D7716-11. This listing is not an endorsement or certification by ASTM International.

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