



# CERTIFICATE OF ACCREDITATION



## General Liquids Canada Limited

in

### Waverly, Nova Scotia, Canada

has demonstrated proficiency for the testing of construction materials and has conformed to the requirements established in AASHTO R 18 and the AASHTO Accreditation policies established by the AASHTO Committee on Materials and Pavements.

The scope of accreditation can be viewed on the Directory of AASHTO Accredited Laboratories ([aashtoresource.org](http://aashtoresource.org)).

A handwritten signature in black ink, appearing to read 'Jim Tymon', written over a horizontal line.

Jim Tymon,  
AASHTO Executive Director

A handwritten signature in black ink, appearing to read 'Moe Jamshidi', written over a horizontal line.

Moe Jamshidi,  
AASHTO COMP Chair

This certificate was generated on 07/07/2022 at 7:18 AM Eastern Time. Please confirm the current accreditation status of this laboratory at [aashtoresource.org/aap/accreditation-directory](http://aashtoresource.org/aap/accreditation-directory)



# SCOPE OF AASHTO ACCREDITATION FOR:

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## Quality Management System

**Standard:**

**Accredited Since:**

R18 Establishing and Implementing a Quality System for Construction Materials Testing Laboratories

05/03/2011



# SCOPE OF AASHTO ACCREDITATION FOR:

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## Asphalt Binder

### Standard:

### Accredited Since:

R28	Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel	05/03/2011
R29	Grading or Verifying the Performance Grade of an Asphalt Binder	05/03/2011
T44	Solubility of Asphalt Materials in Trichloroethylene	05/03/2011
T49	Penetration of Original Sample of Asphalt Cement	05/03/2011
T50	Float Test for Bituminous Materials	05/03/2011
T51	Ductility of Bituminous Materials	05/03/2011
T53	Softening Point of Bitumen (Ring-and-Ball Apparatus)	05/03/2011
T78	Distillation of Cut-Back Asphaltic (Bituminous) Products	05/03/2011
T201	Kinematic Viscosity	03/25/2020
T202	Viscosity by Vacuum Capillary	03/25/2020
T228	Specific Gravity (Relative Density) of Asphalt Cement	05/03/2011
T240	Rolling Thin-Film Oven Testing	05/03/2011
T301	Elastic Recovery Test of Bituminous Materials by Means of a Ductilometer	05/03/2011
T313	Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)	05/03/2011
T315	Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)	05/03/2011
T316	Viscosity Determination of Asphalt Binder Using Rotational Viscometer	12/31/2012
T350	Multiple Stress Creep and Recovery (MSCR) at 64°C, 25mm plate, 1mm gap	03/25/2020
D5	Penetration of Original Sample of Asphalt Cement	05/03/2011
D36	Softening Point of Bitumen (Ring-and-Ball Apparatus)	05/03/2011
D70	Specific Gravity (Relative Density) of Asphalt Cement	05/03/2011
D113	Ductility of Bituminous Materials	05/03/2011
D139	Float Test for Bituminous Materials	05/03/2011
D402	Distillation of Cut-Back Asphaltic (Bituminous) Products	05/03/2011



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## Asphalt Binder (Continued)

<b>Standard:</b>	<b>Accredited Since:</b>
D2042 Solubility of Asphalt Materials in Trichloroethylene	05/03/2011
D2170 Kinematic Viscosity	03/25/2020
D2171 Viscosity by Vacuum Capillary	03/25/2020
D2872 Rolling Thin-Film Oven Testing	05/03/2011
D4402 Viscosity Determination of Asphalt Binder Using Rotational Viscometer	05/03/2011
D6084 Elastic Recovery Test of Bituminous Materials by Means of a Ductilometer	05/03/2011
D6521 Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel	05/03/2011
D6648 Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)	05/03/2011
D7175 Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)	05/03/2011
D7405 Multiple Stress Creep and Recovery (MSCR) at 64°C, 25mm plate, 1mm gap	03/25/2020



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## Emulsified Asphalt

### Standard:

### Accredited Since:

T59	Aggregate Coating	05/03/2011
T59	Cement Mixing	05/03/2011
T59	Demulsibility	05/03/2011
T59	Particle Charge	05/03/2011
T59	Residue by Distillation	05/03/2011
T59	Residue by Evaporation	05/03/2011
T59	Saybolt Viscosity at 25°C (77°F)	05/03/2011
T59	Saybolt Viscosity at 50°C (122°F)	05/03/2011
T59	Settlement and Storage Stability	03/25/2020
T59	Sieve Test	05/03/2011
D6930	Settlement and Storage Stability	03/25/2020
D6933	Sieve Test	05/03/2011
D6934	Residue by Evaporation	05/03/2011
D6935	Cement Mixing	05/03/2011
D6936	Demulsibility	05/03/2011
D6997	Residue by Distillation	05/03/2011
D6998	Aggregate Coating	05/03/2011
D7402	Particle Charge	05/03/2011
D7496	Saybolt Viscosity at 25°C (77°F)	05/03/2011
D7496	Saybolt Viscosity at 50°C (122°F)	05/03/2011



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## Asphalt Mixture

### Standard:

### Accredited Since:

R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	05/03/2011
R59	Recovery of Asphalt from Solution by Abson Method	05/03/2011
R68	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	05/03/2011
T30	Mechanical Analysis of Extracted Aggregate	05/03/2011
T164	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	05/03/2011
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	05/03/2011
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	05/03/2011
T245	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	05/03/2011
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	05/03/2011
T283	Resistance of Compacted Mixtures to Moisture Induced Damage	05/03/2011
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	05/03/2011
T312	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	05/03/2011
T329	Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method	05/03/2011
D1856	Recovery of Asphalt from Solution by Abson Method	05/03/2011
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	05/03/2011
D2172	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	05/03/2011
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	05/03/2011
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	05/03/2011
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	03/25/2020
D4867	Resistance of Compacted Mixtures to Moisture Induced Damage	05/03/2011
D5444	Mechanical Analysis of Extracted Aggregate	05/03/2011
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	05/03/2011
D6925	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	05/03/2011



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## Asphalt Mixture (Continued)

Standard:	Accredited Since:
D6926 Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	05/03/2011
D6927 Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	05/03/2011



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## Aggregate

**Standard:**

**Accredited Since:**

R76	Reducing Samples of Aggregate to Testing Size	05/03/2011
T11	Materials Finer Than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing	05/03/2011
T27	Sieve Analysis of Fine and Coarse Aggregates	05/03/2011
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	05/03/2011
T85	Specific Gravity and Absorption of Coarse Aggregate	05/03/2011
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	05/03/2011
T104	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	05/03/2011
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	05/03/2011
T255	Total Moisture Content of Aggregate by Drying	05/03/2011
T304	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	05/03/2011
T327	Resistance to Abrasion by Micro-Deval (Coarse Aggregate)	05/03/2011
C88	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	05/03/2011
C117	Materials Finer Than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing	05/03/2011
C127	Specific Gravity and Absorption of Coarse Aggregate	05/03/2011
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	05/03/2011
C131	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	05/03/2011
C136	Sieve Analysis of Fine and Coarse Aggregates	05/03/2011
C566	Total Moisture Content of Aggregate by Drying	05/03/2011
C702	Reducing Samples of Aggregate to Testing Size	05/03/2011
C1252	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	05/03/2011
D2419	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	05/03/2011
D4791	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	05/03/2011
D6928	Resistance to Abrasion by Micro-Deval (Coarse Aggregate)	05/03/2011





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## Aggregate (Continued)

**Standard:**

**Accredited Since:**

D7428 Resistance to Abrasion by Micro-Deval (Fine Aggregate)

05/03/2011