



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](https://www.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 07/19/2024 at 10:09 AM Eastern Time. Please confirm the current accreditation status of this laboratory at [aashtoresource.org/aap/accreditation-directory](https://www.aashtoresource.org/aap/accreditation-directory)



SCOPE OF AASHTO ACCREDITATION FOR:

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Quality Management System

Standard:

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

Accredited Since:

05/03/2011



SCOPE OF AASHTO ACCREDITATION FOR:

General Liquids Canada Limited

in Waverly, Nova Scotia, Canada

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
T48	Flash Point by Cleveland Open Cup	04/04/2023
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)	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
D92	Flash Point by Cleveland Open Cup	04/04/2023
D113	Ductility of Bituminous Materials	05/03/2011



SCOPE OF AASHTO ACCREDITATION FOR:
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Asphalt Binder (Continued)

Standard:	Accredited Since:
D139 Float Test for Bituminous Materials	05/03/2011
D402 Distillation of Cut-Back Asphaltic (Bituminous) Products	05/03/2011
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
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)	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- μ 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- μ 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