

Western Research Institute

2015 Publications

J.-P. Planche, "Innovative characterization methods for asphalt binders under development at WRI", AMAP 2015 Annual Meeting Jacksonville, FL, February 19, 2015

Glaser, R. R., J. Loveridge, F. Turner, and J-P. Planche, 2015, Asphalt Film Aging Model. Technical white paper FP05 prepared by Western Research Institute for the Federal Highway Administration, Contract No. DTFH61-07-D-00005, Fundamental Properties of Asphalts and Modified Asphalts, III, March 2015.

Farrar, M., R. W. Grimes, T. F. Turner, and J-P. Planche, 2015, The Universal Simple Aging Test (USAT) and Low Temperature Performance Grading Using Small Plate Dynamic Shear Rheometry: An Alternative to Standard RTFO, PAV, and BBR for HMA and WMA. Technical white paper FP14 prepared by Western Research Institute for the Federal Highway Administration, Contract No. DTFH61-07-D-00005, Fundamental Properties of Asphalts and Modified Asphalts, III, March 2015.

Farrar, M. J., R. W. Grimes, S. Wiseman, and J-P. Planche, 2015, Asphalt Pavement – Micro-sampling and Micro-extraction Methods. Technical white paper FP09 prepared by Western Research Institute for the Federal Highway Administration, Contract No. DTFH61-07-D-00005, Fundamental Properties of Asphalts and Modified Asphalts, III, March 2015.

Glaser, R. R., T. F. Turner, J. L. Loveridge, S. L. Salmans, and J-P. Planche, 2015, Aging Master Curve and Aging Rate Model. Technical white paper FP10-11 prepared by Western Research Institute for the Federal Highway Administration, Contract No. DTFH61-07-D-00005, Fundamental Properties of Asphalts and Modified Asphalts, III, March 2015.

Qin, Q., M. Farrar, T. F. Turner, and J-P. Planche, 2015, Characterization of the Effects of Wax (Sasobit®) on Asphalt Binder. Technical white paper FP13 prepared by Western Research Institute for the Federal Highway Administration, Contract No. DTFH61-07-D-00005, Fundamental Properties of Asphalts and Modified Asphalts, III, March 2015.

Salmans, S., M. Farrar, C. Sui, and J-P. Planche, 2015, Emulsions: Recovery, Aging, and Rheological Testing. Technical white paper FP18 prepared by Western Research Institute for the Federal Highway Administration, Contract No. DTFH61-07-D-00005, Fundamental Properties of Asphalts and Modified Asphalts, III, March 2015.

Glaser, R. R., T. F. Turner, C. Sui, S. Salmans, and J-P. Planche, 2015, Rheological Interconversions. Technical white paper FP23 prepared by Western Research Institute for the Federal Highway Administration, Contract No. DTFH61-07-D-00005, Fundamental Properties of Asphalts and Modified Asphalts, III, March 2015.

J-P Planche, F. Turner, M. Farrar, R. Glaser, Lab and Field Performance of Mixtures Containing REOB Modified Asphalt, REOB Workshop TRB 2015, January 2015