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Effects of Recycled Asphalt Binder on the Viscosity of Recycled Binder and Mixtures

Abdulrahman Alahdal
University of Nevada, Las Vegas, alahdal@unlv.nevada.edu

Moses Karakouzian Ph.D.
University of Nevada, Las Vegas, mkar@unlv.nevada.edu

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EFFECTS OF RECYCLED ASPHALT BINDER ON THE VISCOSITY OF RECYCLED ASPHALT BINDER AND MIXTURES

Abdulrahman Alahdal
Senior
Civil Engineering
College of Engineering





Background and Research Focus



VISCOSITY TEST RESULTS
(Each test set consists of three identical specimens)

Test Set	Recycled Binder	Virgin Binder	Total	Viscosity	RPM	Viscosity Average
1	100%	0%	100%	T ₁ : 3937 T ₂ : 3900 T ₃ : 3860	65 65 65	3899
2	0%	100%	100%	T ₁ : 3016 T ₂ : 3164 T ₃ : 3185	50 50 50	3122
3	5%	95%	100%	T ₁ : 3178 T ₂ : 2895 T ₃ : 2750	50 50 80	2941
4	10%	90%	100%	T ₁ : 2147 T ₂ : 3060 T ₃ : 2940	100 50 50	2716
5	15%	85%	100%	T ₁ : 2550 T ₂ : 2477 T ₃ : 2070	50 50 100	2366
6	20%	80%	100%	T ₁ : 2372 T ₂ : 2235 T ₃ : 2000	50 50 110	2202
7	25%	75%	100%	T ₁ : 2387 T ₂ : 2200 T ₃ : 1995	50 50 110	2194
8	30%	70%	100%	T ₁ : 2085 T ₂ : 1985 T ₃ : 2055	50 110 100	2042
9	35%	65%	100%	T ₁ : 2143 T ₂ : 2090 T ₃ : 2090	50 105 100	2108
10	40%	60%	100%	T ₁ : 2197 T ₂ : 2155 T ₃ : 2155	50 100 100	2169
11	45%	55%	100%	T ₁ : 2177 T ₂ : 2110 T ₃ : 2370	50 105 90	2219
12	50%	50%	100%	T ₁ : 2267 T ₂ : 2210 T ₃ : 2282	50 100 90	2253

Methods and Results

