

VANCOUVER SPECIFICATIONS.

ASPHALTIC ROAD OIL.

Revised June 1922.

The refined Asphaltic Oil to be used under this Specification shall be approved by and be in every way satisfactory to the City Engineer as indicated by the following statements:
The Oil used shall be a natural Oil of an Asphaltic base.

It must not have been injured by overheating.

The Oil shall contain not less than 65% Asphalt, having a penetration of not greater than 80 degrees at 77 degrees Fahrenheit. (~~Columbia Standard~~). *New York Standards Penetration*

The percentage of Asphalt to be determined by weighing 25 grammes of the Oil in a crystallizing dish two and one-quarter inches in diameter and one and one-quarter inches high, and heating in a drying or evaporating oven at 400 degrees Fahrenheit, maintaining this temperature until the Oil has reached the proper consistency and hardness, not in excess of 80° as specified above, when the weight of the residue shall be not less than 65% of the original volume.

The Oil shall have a specific gravity of not less than 0.960 at 25 degrees Centigrade.

Its Flash Point should be not lower than 260 degrees Fahrenheit as accurately determined by such as the New York State closed Oil Tester.

The water content shall not exceed 2.5 per cent., as determined by the gasoline test.

When heated to 400 degrees Fahrenheit in the manner previously described, for seven hours, its loss in weight should not be over 30%. The character of the residue or Asphalt should be smooth and nearly solid when cold, but not so hard that it may not be easily dented with the finger, and when soft it should pull to a long thin thread.

The Oil shall be soluble in Carbon-di-sulphide to the extent of 98%, and in 88 degrees Naptha to at least 88%.

The Oil must not contain more than 2% of foreign matter, - organic and inorganic.

The Oil must not have more than 6% of fixed carbon.

For testing and inspection of supply of the Oil, by for subsequent deliveries for each permission must be given for days must Engineer's representative to sample at any time, and, if possible, for the City Engineer or his representative to inspect the refining or distilling processes and make tests accordingly.

A complete analysis must be submitted with every consignment.
