WSH:EMS

Publications of the
DEPARTMENT OF COMMERCE
BUREAU OF STANDARDS

WASHINGTON, D.C.

March 1, 1924.

Letter
Circular
LC 35

PUBLICATIONS RELATING TO PETROLEUM PRODUCTS

(The publications not starred may be purchased from the Superintendent of Documents, Government Printing Office, Washington, D. C., at the prices stated. Those marked with a star are out of print, but may be consulted at leading libraries.)

Scientific Papers

Number	Title	Price
*S 153	Action of sunlight and air upon some lubricating oils.	5¢
S 160	Behavior of high boiling mineral oils on heating in air.	5¢
S 278	An investigation of laws of plastic flow. . .	10¢
*S 298	Standard substances for the calibration of viscosimeters.	5¢
S 340	A standardized method for the determination of solidification points, especially of napthalene and paraffin.	5¢

Technologic Papers

Number	Title	Price
T 4	Effect of added fatty and other oils upon carbonization of mineral lubricating oils....	5¢
T 13	Evaporation test for mineral lubricating and transformer oils.	5¢
T 73	Data on oxidation of automobile cylinder oils	5¢
T 77	Density and thermal expansion of American petroleum oils.	10¢
T 86	Resistance of an oil to emulsification.	10¢
*T 100	Determination of absolute viscosity by short tube viscosimeters.	10¢

T 112	Standardization of the Saybolt Universal viscosimeter.	10¢
*T 125	Viscosity of gasoline.	5¢
T 140	Constant temperature still head for light-oil fractionation.	5¢
T 164	The Saybolt viscosity of blends.	5¢
T 176	Slushing oils.	5¢
T 177	Sulphur in petroleum oils.	5¢
T 204	Cutting fluids.	15¢
T 210	The Redwood viscosimeter.	10¢
T 223	Reclamation of used petroleum lubricating oils.	5¢

Note: Scientific Papers 153 and 160 and Technologic Papers 4, 13, 73, and 177 appeared entire or in abbreviated form in the Journal of Industrial and Engineering Chemistry, Volumes 2, 3, 5, 8, and 12.

Circulars

Number	Title	Price
*C 45	Testing of materials, pages 68 to 72.	10¢
C 57	U. S. Standard tables for petroleum oils. . .	15¢
C 59	U. S. Standard Baume' hydrometer scales. . .	5¢
C 99	Carbonization of lubricating oils.	10¢

Miscellaneous

Number	Title	Price
M 15	Some technical methods of testing miscellaneous supplies, pages 57 to 59.	15¢

Journal References

The Catalytic Oxidation of Petroleum oils -
Journ. of Ind. & Engr. Chem., Vol.13, 901 (1921).

Sulphur Compounds and Oxidation of Petroleum Oils -
Journ. of Ind. & Engr. Chem., Vol.14, 725 (1922).

Service Tests of Lubricants on Automobile Engines -
Am. Pet. Inst. Bulletin 73.

Quantitative Test for Resistance of Lubricating Oils to Emulsification -
Proc. A.S.T.M., Vol.16, part 2, p.248; 1916 (T.P.86)

Determination of Absolute Viscosity by the Saybolt Universal and Engler Viscosimeters -
Proc. A.S.T.M., Vol.17, p.551; 1917, part 2 (T.P.100)

The Standard Saybolt Universal Viscosimeter, -
Proc. A.S.T.M., Vol.18, part 2, p.384; 1918 (T.P.112)

A Viscosimeter for Gasoline -
Proc. A.S.T.M., Vol.19, part 2, p.676; 1919 (T.P.125).

The MacMichael Viscosimeter -
Journ. Ind. & Engr. Chem., Vol.12, p. 282; 1920.

The Saybolt Viscosity of Oil Blends -
Chem. & Met. Engr., Vol. 22, p.1109, June 16, 1920 (TP164

Use of MacMichael Viscosimeter in Testing Petroleum Products (with F.W.Dean, petroleum chemist, Bureau of Mines) Reports and Investigations, Serial No. 2201, Jan.1921. Issued by Bureau of Mines.

The flow through short tubes -
Trans. A.S.C.E., Vol.84, p. 527, 1921. (This paper is along the same lines as P.S.Tice, B.S. Aeronautic Power Plant Report No. 10, being an investigation of the laws of flow upon which measurements of viscosity by flow tests depends.)

Viscosity and Friction -
Journ. S.A.E., Vol. 10, pp. 31, 369; 1922.

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Chem. & Met. Engr., Vol.26, p. 1175, June 21, 1922.

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Journ. Optical Society of America and Review of Scientific Instruments, Vol.6, p. 875, October 1922.

Testing Oiliness by Friction Testing Machines -
Chem. & Met. Engr., Vol.28, p.302, Feb. 14, 1923.

Friction Testing of Lubricating Oils -
Chem. & Met. Engr., Vol.28, p.594, March 28, 1923.

Testing Lubricating Oils for Quality -
Proc. Engineers Society of Western Pennsylvania, Vol.38, p.503, January 1923.

The Improved MacMichael Viscosimeter,-
Jour. Optical Society of America and Review of Scientific Instruments, Vol.7, p.335, April 1923.

Bath Temperatures of Viscosimeters of the Saybolt Type -
Ind. & Engr. Chem., Vol.15, p.945, 1923.