



# Petroleum Testing

Full details of the **Cometa Scientific** petroleum testing and quality control equipment may be found in the **Cometa Scientific Petroleum Testing Catalogue**.

**A listing of the equipment available by ASTM test method follows :**

**ASTM D5**

C95500 Microprocessor-Based Digital Penetrometer  
Penetrometer Cones, Needles, and Accessories

C95600 Penetrometer Bath  
C19500 Penetrometer

**ASTM D6**

C45800 Asphalt Oven

**ASTM D36**

C80000 Softening Point Apparatus

**ASTM D56**

C14600 Tag Closed Cup Flash Tester

**ASTM D86**

C45000 Front View Distillation Apparatus  
C45601 Automated Distillation System

C45300 Group 4 Front View Distillation Apparatus

**ASTM D87**

C17500 Wax Melting Point Apparatus

**ASTM D88**

C21410 (SV Series) Saybolt Viscosity Bath

**ASTM D91**

C61002 Oil Test Centrifuge

**ASTM D92**

C13900 Cleveland Open-Cup Flash Tester

**ASTM D93**

C16200 Pensky-Martens Closed Cup Flash Tester

**ASTM D95**

C31800 Dean & Stark Moisture Test Apparatus Metal Still

**ASTM D96**

C61002 Oil Test Centrifuge

**ASTM D97**

C46000 Cloud and Pour Point Test Equipment

**ASTM D113**

C80020 Ductility Testing Machine

**ASTM D130**

C25310 Test Bomb Baths  
C25200 Copper Strip Corrosion Test Bomb

C25310 Water Bath for Silver Corrosion  
C25330 Copper Strip Test Tube Bath

**ASTM D139**

C30500 Float Test Apparatus

**ASTM D156**

C13300 Automatic Colorimeter  
C13250 Automated Portable Colour Measurement System

C13100 Saybolt Wax Chromometer  
C13009 Saybolt Chromometer

**ASTM D189**

C80030 Conradson Carbon Residue Apparatus

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**ASTM D216**

C45000 Front View Distillation Apparatus

C45300 Group 4 Front View Distillation Apparatus

**ASTM D217**

C95500 Microprocessor-Based Digital Penetrometer  
Penetrometer Cones, Needles, and Accessories

C95600 Penetrometer Bath  
C19500 Penetrometer

**ASTM D233**

C45000 Front View Distillation Apparatus

C45300 Group 4 Front View Distillation Apparatus

**ASTM D244**

C21410 (SV Series) Saybolt Viscosity Bath  
C31900 Residue and Oil Distillate Determination Apparatus

C31800 Dean & Stark Moisture Test Apparatus Metal Still

**ASTM D285**

C45601 Automated Distillation System

**ASTM D323**

C11500 Reid Vapour Pressure Cylinders  
311-250-001 Reid Vapour Pressure Gauges

C11450 Reid Vapour Pressure Bath

**ASTM D370**

C31800 Dean & Stark Moisture Test Apparatus Metal Still

**ASTM D381**

C33800 Existent Gum Test Apparatus

C33810 Steam Generator

**ASTM D445**

C23700 (KV Series) Constant Temperature Kinematic Viscosity Baths  
C23800 (HKV Series) High Temperature Kinematic Viscosity Baths  
C40001 (AKV Series) Automated Kinematic Viscosity System  
C34715 (BV Series) Programmable Brookfield Viscosity Liquid Bath  
C34710 (BV Series) Brookfield Viscosity Liquid Bath  
C34700 (BV Series) Brookfield Viscosity Air Bath

C22753 Digital Refrigerated Kinematic Viscosity Bath  
C21410 (SV Series) Saybolt Viscosity Bath  
C26000 Temperature-Controlled Laboratory Viscometer  
C26030 Ambient Laboratory Viscometer  
C23376 Kinematic Viscosity Bath  
C34000 Viscometer Cleaning and Drying Apparatus

**ASTM D446**

C45800 Asphalt Oven

**ASTM D447**

C45000 Front View Distillation Apparatus

C45300 Group 4 Front View Distillation Apparatus

**ASTM D473**

C48300 Sediment Extraction Apparatus

**ASTM D483**

C36050 Unsulfonated Residue Tester

**ASTM D524**

C27100 Ramsbottom Carbon Residue Apparatus

**ASTM D566**

C19490 Dropping Point Apparatus

**ASTM D611**

C10200 Automatic Aniline Point Apparatus

C10190 Thin Film Aniline Point Apparatus

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**ASTM D665**

C30160NACE Rust Preventing Characteristics Oil Bath

C30160 Rust Preventing Characteristics Oil Bath

**ASTM D721**

C17600 Oil-Solvent Extractables Content Apparatus

**ASTM D850**

C45000 Front View Distillation Apparatus

C45300 Group 4 Front View Distillation Apparatus

**ASTM D892**

C43041 Seq IV Liquid Foaming Characteristics

C43002 Dual-Twin Foaming Characteristics

C43010 Sequence I,II,III,IV Air Foaming Characteristics

**ASTM D893**

C61002 Oil Test Centrifuge

**ASTM D937**

C95500 Microprocessor-Based Digital Penetrometer

Penetrometer Cones, Needles, and Accessories

C95600 Penetrometer Bath

C19500 Penetrometer

**ASTM D943**

C12230 High Temperature Convertible Oxidation Bath

C12330 Oxidation Bath Thirty / Sixty Place

C12212 Oxidation Stability Apparatus Eight /

Twelve Place

**ASTM D972**

C29400 Evaporation Loss Tester

**ASTM D1078**

C45000 Front View Distillation Apparatus

C45300 Group 4 Front View Distillation Apparatus

**ASTM D1092**

C22690 Pressure Viscometer

**ASTM D1160**

C80200 Vacuum Distillation Apparatus

C87000 Semi-Automatic Vacuum Distillation Apparatus

**ASTM D1177**

C29750 Freezing Point Apparatus

**ASTM D1209**

C13300 Automatic Colorimeter

C13250 Automated Portable Colour Measurement System

**ASTM D1263**

C18700 Leakage Tendencies Tester

**ASTM D1264**

C19200 Water Washout Tester

**ASTM D1267**

C11500 Reid Vapor Pressure Cylinders

C311-250-001 Reid Vapor Pressure Gauges

C11450 Reid Vapor Pressure Bath

**ASTM D1310**

C15600 Tag Open-Cup Flash Tester

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**ASTM D1319**

C41500 Fluorescent Indicator Absorption Apparatus

**ASTM D1321**

C95500 Microprocessor-Based Digital Penetrometer  
Penetrometer Cones, Needles, and Accessories

C95600 Penetrometer Bath  
C19500 Penetrometer

**ASTM D1322**

C27000 Smoke Point Lamp

**ASTM D1401**

C39200 Water Separability Tester

**ASTM D1403**

C95500 Microprocessor-Based Digital Penetrometer  
Penetrometer Cones, Needles, and Accessories

C95600 Penetrometer Bath  
C19500 Penetrometer

**ASTM D1404**

C19300 Deleterious Particles Determination Apparatus

**ASTM D1465**

C17300 Blocking and Picking Points Apparatus

**ASTM D1478**

C18860 Low Temperature Torque Apparatus

**ASTM D1500**

C13300 Automatic Colorimeter  
C13250 Automated Portable Colour Measurement System

C13250 Petroleum Colorimeter

**ASTM D1524**

C13203 Oil Comparator

**ASTM D1544**

C13300 Automatic Colorimeter

C13250 Automated Portable Colour Measurement  
System

**ASTM D1559**

C81000 Auto Marshall Compression and Testing Machine

C81350 Marshall Compactor

**ASTM D1657**

C25900 Constant Temperature Water Bath

C26150 Pressure Hydrometer Cylinder

**ASTM D1742**

C18900 Oil Separation Apparatus

**ASTM D1743**

C17980 Corrosion Preventive Properties Apparatus

**ASTM D1748**

C35200 Humidity Cabinet

**ASTM D1754**

C45800 Asphalt Oven

**ASTM D1796**

C61002 Oil Test Centrifuge



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**ASTM D1831**

Penetrometer Cones, Needles, and Accessories

C18320 Roll Stability Tester

**ASTM D1837**

C48100 Precooling Apparatus

**ASTM D1838**

C39900 LPG Copper Strip Corrosion Test Water Bath

**ASTM D2158**

C48100 Precooling Apparatus

**ASTM D2170**

C23700 (KV Series) Constant Temperature Kinematic Viscosity Baths

C23800 (HKV Series) High Temperature Kinematic Viscosity Baths

**ASTM D2171**

C45800 Asphalt Oven

**ASTM D2265**

C19400 High Temperature Dropping Point Apparatus

**ASTM D2266**

C93100 Four Ball Tester

C93000 Series Other Tribology Equipment

**ASTM D2273**

C61002 Oil Test Centrifuge

**ASTM D2274**

C12230 High Temperature Convertible Oxidation Bath

C12330 Oxidation Bath Thirty / Sixty Place

C12212 Oxidation Stability Apparatus Eight / Twelve Place

**ASTM D2384**

C47500 Wickbold Combustion Apparatus

**ASTM D2386**

C29770 Freezing Point Apparatus for ASTM D2386

**ASTM D2440**

C12230 High Temperature Convertible Oxidation Bath

C12100 Oxidation Stability Bath

**ASTM D2500**

C46000 Cloud and Pour Point Test Equipment

**ASTM D2547**

C46600 Dual Extraction Apparatus

**ASTM D2595**

C45800 Asphalt Oven

**ASTM D2596**

C93100 Four Ball Tester

**ASTM D2709**

C61002 Oil Test Centrifuge

**ASTM D2711**

C61002 Oil Test Centrifuge

C39110 Demulsibility Apparatus

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**A listing of the equipment available by ASTM test method follows :**

**ASTM D2747**

C47500 Wickbold Combustion Apparatus

**ASTM D2783**

C93100 Four Ball Tester

**ASTM D2784**

C47500 Wickbold Combustion Apparatus

**ASTM D2785**

C47500 Wickbold Combustion Apparatus

**ASTM D2793**

C93100 Four Ball Tester

**ASTM D2872**

C45800 Asphalt Oven

**ASTM D2878**

C29400 Evaporation Loss Tester

C29300 High Temperature Evaporation Loss Tester

**ASTM D2884**

C95500 Microprocessor-Based Digital Penetrometer  
C19500 Penetrometer

C95600 Penetrometer Bath

**ASTM D2893**

C12230 High Temperature Convertible Oxidation Bath  
C12330 Oxidation Bath Thirty / Sixty Place

C12212 Oxidation Stability Apparatus Eight /  
Twelve Place

**ASTM D2983**

C34710 (BV Series)  
Brookfield Viscosity Liquid Bath

C34715 (BV Series) Programmable  
Brookfield Viscosity Liquid Bath

**ASTM D3117**

C29760 Wax Appearance Point Apparatus

**ASTM D3143**

C15600 Tag Open-Cup Flash Tester

**ASTM D3230**

C23000 Electrometric Salt Determination

**ASTM D3235**

C17600 Oil-Solvent Extractables Content Apparatus

**ASTM D3278**

C16500 Rapid Closed-Cup Flash Tester

**ASTM D3427**

C88500 Air Release Value Apparatus

**ASTM D3527**

C18500 High Temperature Wheel Bearing Grease Tester

**ASTM D3603**

C30160NACE Rust Preventing Characteristics Oil Bath

C30160 Rust Preventing Characteristics Oil Bath

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**A listing of the equipment available by ASTM test method follows :**

**ASTM D3799**

C29770 Freezing Point Apparatus for ASTM D3799

**ASTM D3828**

C16500 Rapid Closed-Cup Flash Tester

**ASTM D4007**

C61002 Oil Test Centrifuge

**ASTM D4048**

C25339 Copper Strip Tarnish Test Apparatus

**ASTM D4049**

C18200 Water Spray Apparatus

**ASTM D4172**

C93100 Four Ball Tester

C93600 MultiSpecimen Tester

**ASTM D4206**

C16500 Rapid Closed-Cup Flash Tester

**ASTM D4290**

C18500 High Temperature Wheel Bearing Grease Tester

**ASTM D4310**

C12230 High Temperature Convertible Oxidation Bath

C12330 Oxidation Bath Thirty / Sixty Place

C12212 Oxidation Stability Apparatus Eight / Twelve Place

**ASTM D4340**

C80100 Dual Corrosion Test Apparatus

**ASTM D4636**

C12230 High Temperature Convertible Oxidation Bath

C35100 Corrosiveness and Oxidation Stability Apparatus

**ASTM D4693**

C18860 Low Temperature Torque Apparatus

**ASTM D4928 Draft 5.2**

C90300 Coulometric Karl Fischer Titrator

**ASTM D4950**

C95500 Microprocessor-Based Digital Penetrometer

C19490 Dropping Point Apparatus

C17980 Corrosion Preventive Properties Apparatus

C18500 High Temperature Wheel Bearing Grease Tester

C19200 Water Washout Tester

C19500 Penetrometer

C19400 High Temperature Dropping Point Apparatus

C18860 Low Temperature Torque Apparatus

**ASTM D5183**

C93100 Four Ball Tester

**ASTM D5304**

C10600 Pressure Vessel for ASTM D5304

**ASTM D5386**

C13300 Automatic Colorimeter

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**ASTM D5704**

C18660 L-60-1 Performance Test Apparatus

**ASTM D5968**

C12230 High Temperature Convertible Oxidation Bath

**ASTM D6074**

C23700 (KV Series) Constant Temperature Kinematic Viscosity Baths  
C23800 (HKV Series) High Temperature Kinematic Viscosity Baths  
C40001 (AKV Series) Automated Kinematic Viscosity System  
C34000 Viscometer Cleaning and Drying Apparatus  
C13200 Petroleum Colorimeter  
C25310 Test Bomb Baths  
C25330 Copper Strip Tarnish Test Apparatus

**ASTM D6082**

C43002 Dual-Twin Foaming Characteristics  
C43010 Sequence I,II,III,IV Air Foaming Characteristics

**ASTM D6158**

C23700 (KV Series) Constant Temperature Kinematic Viscosity Baths  
C23800 (HKV Series) High Temperature Kinematic Viscosity Baths  
C40001 (AKV Series) Automated Kinematic Viscosity System  
C34000 Viscometer Cleaning and Drying Apparatus  
C30160NACE Rust Preventing Characteristics Oil Bath  
C25310 Test Bomb Baths  
C25330 Copper Strip Tarnish Test Apparatus  
C12330 Oxidation Bath Thirty / Sixty Place  
C30160 Rust Preventing Characteristics Oil Bath

**ASTM D6184**

C19000 Oil Separation Apparatus

**ASTM D6371**

C45900 Cold Filter Plugging Point Apparatus

**ASTM E28**

C80000 Softening Point Apparatus

**ASTM E102**

C21410 (SV Series) Saybolt Viscosity Bath

**ASTM E123**

C31800 Dean & Stark Moisture Test Apparatus Metal Still

**ASTM E133**

C45000 Front View Distillation Apparatus

**ASTM E659**

C47000 Autoignition Apparatus

C35100 Corrosiveness and Oxidation Stability Apparatus

C23376 Kinematic Viscosity Bath  
C22753 Digital Refrigerated Kinematic Viscosity Bath  
C13900 Cleveland Open-Cup Flash Tester  
C25310 Water Bath for Silver Corrosion  
C39200 Water Separability Tester  
C46000 Cloud and Pour Point Test Equipment

C43041 Seq IV Liquid Foaming Characteristics

C23376 Kinematic Viscosity Bath  
C22753 Digital Refrigerated Kinematic Viscosity Bath  
C13900 Cleveland Open-Cup Flash Tester  
C25310 Water Bath for Silver Corrosion  
C39200 Water Separability Tester  
C12212 Oxidation Stability Apparatus Eight / Twelve Place  
C46000 Cloud and Pour Point Test Equipment

C45300 Group 4 Front View Distillation Apparatus