

PENTAS FLORA LABORATORY

Base Oil & Lubricants Test Package

No	Test Method	Reference
1	Flash Point by PMCC Tester	ASTM D93
2	Flash Point and Fire Point by COC Tester	ASTM D92
3	Density and Specific Gravity by Digital Density Meter	ASTM D4052
4	Ash Content	ASTM D482
5	Kinematic Viscosity by Digital Viscometer	ASTM D7042
6	Viscosity Index	ASTM D2270
7	Pour Point	ASTM D97
8	Cloud Point	ASTM D2500
9	Carbon Residue (Micro Method)	ASTM D4530
10	Moisture KF Titration (Volumetric)	ASTM D4377
11	Moisture KF Titration (Coulometric)	ASTM D6304
12	Acid Number	ASTM D664
13	Base Number	ASTM D2896
14	Copper Strip Corrosion	ASTM D130
15	Elements by ICP-OES (23 Elements)	ASTM D4951, ASTM D5185
16	Boiling Point Range	ASTM D2887, ASTM D6352
17	Visual Inspection for Free Water and Particulate	ASTM D4176
18	Chlorine by Combustive Microcoulometry	ASTM D6443
19	HTHS Apparent Viscosity	ASTM D5481
20	Low Temperature Apparent Viscosity by MRV	ASTM D4684
21	Noack Evaporation Loss	ASTM D5800
22	ASTM Color	ASTM D1500
23	Cold Cranking Simulator	ASTM D5293
24	Refractive Index	ASTM D1218
25	Foaming Characteristic (Seq I, II, III)	ASTM D892
26	Foaming Characteristic at High Temperature (150°C)	ASTM D6082
27	Carbon Number Distribution for Petroleum Waxes	ASTM D5442
28	Sulfated Ash	ASTM D874
29	FT-IR Analysis for In-Service Lubricant	ASTM E2412
30	Demulsibility Characteristic	ASTM D2711
31	Aniline Point	ASTM D611
32	Pentane Insolubles by Membrane Filtration	ASTM D4055

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