

Precision Laboratory Instruments

for testing Lubricants & Fluids



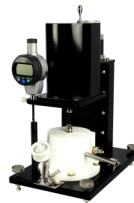
Quantum™ Oxidation Tester

Non-liquid RPVOT Oxidation Test

ASTM D2272, D2112, D4742, D942, IP229

Oxidation Stability: Dry cylinder RPVOT (RBOT). Evaluates oxidation resistance over a broad range of oils and lubricants. Widely used for base oil comparisons and condition monitoring for turbine oils. Compact, single-test design without dangerous hot bath oil.

Research Accessories: Sample Extraction Device, Sample Temperature Probe, & Grease Test Kit Assembly for D942 testing.



TBS™ Viscometer

HTHS Viscosity

ASTM D4683, D6616 | CEC L-36 | IP370

Tapered Bearing Simulator:

The rotational viscometer for measuring high-temperature, high-shear rate (HTHS) viscosity of oils over a broad shear rate and temperature range (40°C to 150°C).

Available 42 position AutoSampler for Full-Automation model.

Required test for SAE J300; ILSAC GF Specifications; API *SL*, *SM*, *SN*; ASTM D4485; Chinese GB-11121 & GB-11122.



TFAB™

Foam Tendency & Stability

ASTM D892, D6082 | IP146

Tannas Foam Air Bath: Non-liquid bath to measure foam additive effectiveness over a broad temperature range (24°C to 150°C). New Direct Drive motor for quiet and maintenance free operation. Touchscreen interface and removable carousel for six 1000-mL test cylinders.

Required test for ILSAC GF Specifications; API *SL*, *SM*, *SN*; ASTM D4485; Chinese GB-11121 & GB-11122.



SBT™ Direct Cool

Low Temperature Pumpability & Gelation Index

ASTM D5133, D7110

Scanning Brookfield

Technique™: Measures low temperature pumpability and Gelation Index of fresh, sooted, & highly oxidized engine oils. Continuously records viscosity over a broad temperature range (+20°C to -70°C).

Required test for ILSAC GF Specifications; API *SL*, *SM*, *SN*; JPI-5S-56-99; ASTM D4485; Chinese GB-11121; OEM factory fill.



Noack S2

Evaporation Loss Phosphorus Volatility

ASTM D5800 | SH/T0059

Noack S2 Volatility Test:

Measures the tendency of base & formulated oils to volatilize in service. Eliminates hazardous Wood's Metal. Determines phosphorus volatility with the Phosphorus Emission Index (PEI). Only Noack system to collect volatiles.

Required test for ILSAC GF Specifications; API *SL*, *SM*, *SN*; ASTM D4485; Chinese GB-11121 & GB-11122.



TEOST™

High Temperature Deposit Control

ASTM D7097 | ASTM D6335

Thermo-oxidation Engine Oil

Simulation Test: Measures the high temperature deposit tendencies of engine oils that form under varying high temperature conditions (specifically the turbo-charger and piston ring belt areas).

Required tests for ILSAC GF Specifications; API *SL*, *SM*, *SN*; ASTM D4485; Chinese GB-11121; OEM factory fill.



SB+2

Multi-Purpose Low Temperature Liquid Bath

ASTM D5133, D7110, D2983, D4684, D445, D97, D2500

Meets numerous low-temperature test methods with easily replaceable Insert Modules for each test method. Designed for use with patented SimAir™ Test Cells for low-temperature Brookfield viscosity testing (ASTM D2983).

Ideal for low-temperature work with fresh, sooted, or highly oxidized oils, ATFs, hydraulic fluids and fuels.



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