

Engine Oil Apparent Viscosity Tester

OLA-CS110



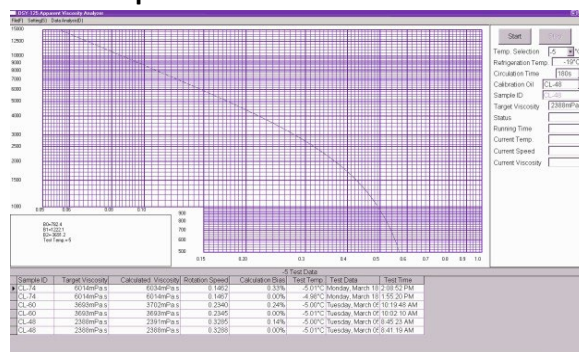
OLA-CS110 is the 2nd generation of Cold-Cranking Simulators (CCS) Engine Oil Apparent Viscosity Tester. OLA-CS110 combines a built-in compression chiller system and test unit together for measuring apparent viscosity of engine oils from -35°C to -5°C

Consists of a patented thermoelectrically-cooled rotor/stator with vacuum system and injection Pump.

Start the Windows[®] software, the temperature control and running of the CCS motor will be computer controlled. The rotor speed measurement and viscosity calculation are performed and displayed by the PC as well.

In the cleaning process, just pushing a button on the front-panel to turn the rotor by electronic motor instead of hand.

Rotation Speed Curve



Test Results

-5 Calibration Oil Data							
Sample ID	Target Viscosity	Calculated Viscosity	Calculation Bias	Rotation Speed	Measured	Test Date	Test Time
CL-74	6014mPa.s	6034mPa.s	0.33%	0.1462	-5.01°C	Monday, March 12	11:55:01 PM
CL-74	6014mPa.s	6014mPa.s	0.00%	0.1467	-4.98°C	Monday, March 12	11:55:20 PM
CL-60	3693mPa.s	3702mPa.s	0.24%	0.2340	-5.00°C	Tuesday, March 13	10:19:45 AM
CL-60	3693mPa.s	3693mPa.s	0.00%	0.2345	-5.01°C	Tuesday, March 13	10:19:59 AM
CL-48	2388mPa.s	2391mPa.s	0.14%	0.3285	-5.00°C	Tuesday, March 13	10:19:59 AM
CL-48	2388mPa.s	2388mPa.s	0.00%	0.3288	-5.01°C	Tuesday, March 13	10:19:59 AM

Standard Test Methods	ASTM D5293 GB/T 6538
Viscosity Testing Range	500 ~ 13000cp
Temperature Stability	±0.05°C
Temperature Test Range	-5°C,-10°C,-15°C,-20°C,-25°C,-30°C,-35°C
Sample Volume	5 ~ 10 ml
Testing time of sample	4 minutes
Communication port	RS-232C 1 port
Dimensions	355 × 730 × 610 (mm)
Weight	88 kg
Power Supply	AC220V±10% 50HZ 2000W
Standard Accessories	Windows Software CD 1 pc RS232C cable 1 pc Syringe (5ml) 1 set Vacuum suction set 1 set Vacuum pump 1set Fuse Φ 6×30 15A 3 pcs
Optional Accessories	Windows ® PC 1 set