

PERFORMANCE TESTS

Sequence IVA

SCOPE

The Sequence IVA is a JASO (KA24E) test modified to conform to ASTM requirements. The test evaluates valve train wear under low temperature and low speed operation. The test performance parameter is avg. cam lobe wear measured at seven locations on each lobe.

The Sequence IVA is designed to evaluate an oil's ability to prevent cam lobe wear in slider valve train design engines operated at low temperature, short trip, "stop and go" conditions.

TEST CONDITIONS

Engine	Nissan 2.4L inline 4 cylinder
Engine speed	800 and 1500 RPM cycles
Engine torque (N-m)	25
Oil temperature (°C)	50 and 60 cycle
Coolant temperature (°C)	50 and 55 cycle
Cycle duration (min)	50 low speed/10 high speed
Test Length	100 hours
Fuel	Haltermann fuel unleaded (dyed green)