

# Sequence III GA Test

## SPECIFICATIONS

API Category SM, ILSAC category GF-4.

## OBJECTIVE

To determine the cold-temperature viscosity performance of an end-of-test engine oil sample.

## FIELD SERVICE SIMULATED

High-speed service under relatively high ambient conditions.

## TEST FIXTURE

A 1996/1997 231 C.I.D. (3800 CC) Series II General Motors V-6 fuel-injected gasoline engine.

## TEST PARAMETERS

Using unleaded gasoline, the engine runs a 10-minute initial oil leveling procedure followed by a 15-minute slow ramp up to speed and load conditions. It then operates at 125 bhp, 3600 rpm, and 150°C oil temperature for 100 hours, interrupted at 20-hour intervals for oil level checks.

## TEST PARTS EVALUATION

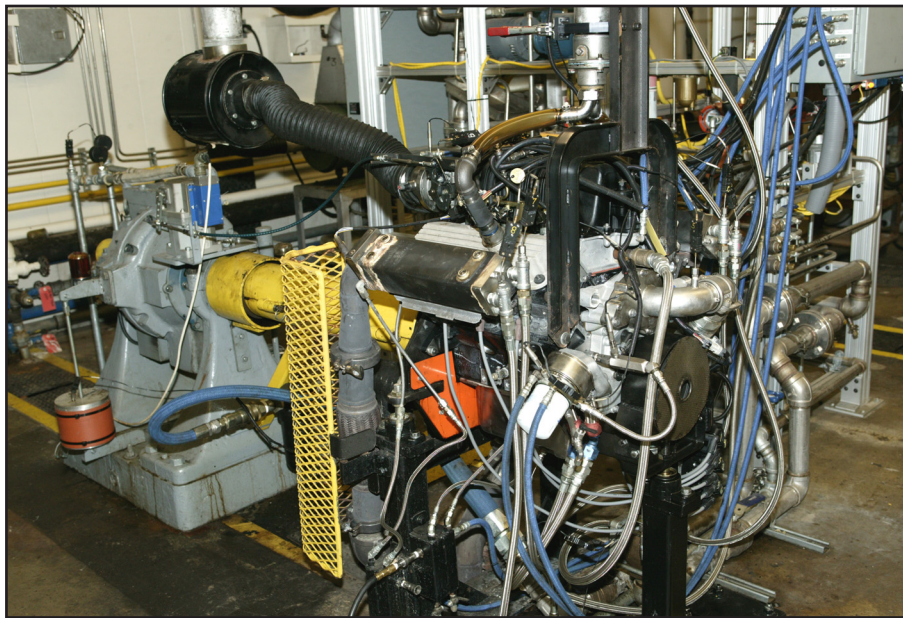
None

## USED LUBRICANT ANALYSIS

Cold Crank Simulator (CCS, ASTM D 5293) and Apparent Viscosity (ASTM D 4684) are determined on the 100-hour oil sample.

## PASS/FAIL CRITERIA

PARAMETER	PASS LIMIT
MRV @ EOT	60,000 cP max (original grade or next highest)
Yield Stress	<35 Pa



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