

Two-Stroke-Cycle Gasoline Engine Lubricant Evaluation D4857 (Y350M2) ASTM TC Sequence I Test Procedure

Ring Ratings

Form 6

Lab: CC	EOT Date: YYYYMMDD	End Time: HH:MM
Engine No.: CCCCCCCCC	Ring Number: CCC	
Reference Oil	CC	Cylinder: CCS1
Non Reference Oil	CC	Cylinder: CCS1
Formulation / Stand Code: CC-CCCCCCCCCC-C-C-CCCCCC-CC-CC-CCCC		

Cylinder Number	Ring Number	NMMA Rating	-1.85 Correction Factor ^A	Visual Rating	Adjusted Rating ^B
S1	S1	S12.12	S1.12	S12.12	S12.12
S1	S1	S12.12	S1.12	S12.12	S12.12
S1	S1	S12.12	S1.12	S12.12	S12.12
S1	S1	S12.12	S1.12	S12.12	S12.12
S1	S1	S12.12	S1.12	S12.12	S12.12
S1	S1	S12.12	S1.12	S12.12	S12.12

^A A correction factor of -1.85 merits is applied to the benchmark reference oil (TMC 606) second ring sticking results, when run with the non-reference oil.

^B The adjusted ring rating is calculated by averaging the NMMA ring rating and the visual ring rating. The visual ring rating is calculated by assessing the total number of degrees the ring visually appears to be stuck in the groove. The normal NMMA ring ratings are then applied as though the ring is firmly stuck over the area, even though in most cases rings in this condition can be forced to move through the application of varying amounts of pressure.

