

Engine Hill Climb

Classes:

1. Diesel Locomotives:
 - a. 4-axle
 - b. 6-axle
 - c. Switcher
2. Steam Locomotives
 - a. Single engine (Including geared engines)
 - b. Multiple engines (Articulated)

Scales – N, HO

Specifications –

1. HO and N scale locomotives must operate on DC current.
 - a. Multifunctional DCC-equipped engines are OK if they can operate on DC current.
2. The use of traction tires is prohibited.
3. Locomotives must have a body/shell consistent with a typical prototype locomotive.
4. Repowering *and/or re-gearing* a locomotive are acceptable, if it is placed within the locomotive shell.
5. A load will be attached to the locomotive consisting of a boxcar that has received sufficient added weight to equal five 50' boxcars of that scale based on NMRA recommended practice.

Procedure –

The track will be 6' long and will be gradually raised. The starting point will be the same for all locomotives within a class. The power will be gradually applied allowing the locomotive to climb the grade. Once it reaches a predetermined point on the track, the locomotive will be returned to the starting point and the grade will be increased. The procedure will start again and continue until the locomotive, with its rolling stock slips or stalls. The final score for each locomotive will be determined by the point at which the front of the weighted boxcar is located when the engine stalls/slips.

The winner of each class will receive Special Project points.

NOTE: The judge has the final say on grade and distance.