

## AMBIENT UPRATE

SELECT COOPER-BESSEMER™ TWO-CYCLE ENGINES

### Increase horsepower

Many older two-cycle turbocharged engines were rated at either 100°F or at 80°F ambient temperature. The capability of any internal combustion engine depends to a large extent upon the temperature limits to which it is subjected during operation. The principle of ambient rating allows greater engine output during periods when temperatures are lower than the rating. A combustion control system is required to maintain even thermal loading and safe firing-pressure limits.

The Ambient Rating Conversion Kit consists of a thorough technical review of the engine, upgraded mixture controls and an ignition control panel. Included are the necessary pick-ups and sensors. An upgraded turbocharger provides efficient air flows over a broader load and speed range that results in better fuel consumption at all operating points.

The Ambient Rating Conversion Kit allows an engine rated at 100°F to gain horsepower on a proportional basis as the temperature decreases – up to a maximum of 125% at 40°F.

An engine with an 80°F rating will be able to operate at 117% of the original horsepower at 40°F.

### Applicability

- › GMVH
- › GMWH / V-250 / V-275 / W-330

**LEGENDS DON'T STOP. WE MAKE SURE OF IT.™**

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