



**SOLBERG**  
Filtration & Separation

## Midwest: Wartsila 20V 34SG Natural Gas Engines

### *The Challenge*

A power plant in the Midwestern United States had an install base of 9 Wartsila 20V 34SG natural gas engines. Their previous crankcase filters were static and simply acted as a rough baffle for the oily vented crankcase emissions. The result was visible emissions into the atmosphere and condensing oil on the side of their building and on the ground. These engines ideally operate under slight positive pressure, and the operator asked Solberg to maintain this natural pressure while eliminating the visible emissions. Solberg was given this opportunity as a referral from a successful install on the same engine make and model.

### *The Solution*

A trained Solberg representative visited the site and evaluated the current set up. Solberg presented the same recirculation unit that successfully eliminated the visible oil mist at a similar install. The Solberg unit included a recirculation piping configuration to continuously maintain the natural crankcase pressure while capturing the oily emissions. This type of system is self-balancing, does not add any additional pressure or vacuum, and does not require any adjustments. An additional 3 engines were later installed and supplied with Solberg Crankcase Ventilation Systems.

## Crankcase Ventilation Retrofit

### *Original Installation*



### *Solberg's Crankcase Ventilation System*



Rev: MW20V34SG-US1810K

## Installation Views



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All model offerings and design parameters are subject to change without prior notice.  
Contact your representative or Solberg for the most current information.

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