

# Cat<sup>®</sup> VTC to TPS Turbocharger Upgrade

## For select G3600 engines with VTC turbochargers

### Your Engines... Today's Turbocharger Technology

Upgrade select G3600 engine turbochargers from the VTC axial flow to the latest TPS radial flow turbocharger to meet emission requirements, improve reliability and durability, and improve performance.

### Conversion Features and Benefits

#### Meet Emission Requirements

- Ability to meet 0.5g/hp-hr NOx emissions
- Improved sustainability

#### Improved Reliability and Durability

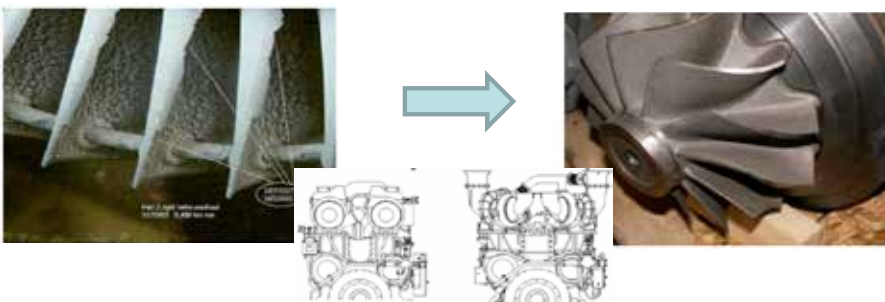
- Increased uptime
- Lower life cycle costs
- Improved productivity
- 50% Increased time between turbocharger overhaul
  - TPS overhaul interval of 16000 - 32000 hours
  - VTC overhaul interval of 8000 - 16000 hours
- Increased resistance to fouling

#### Improved Performance

- Increased altitude capability
- Greater turndown capability
- Maximum engine power may be increased

#### Flexibility

- Compatible with ESS or ADEM<sup>™</sup> III Engine Controllers (Hydrax System only)



*"We chose to upgrade (VTC turbochargers) mainly because of increased reliability of the TPS turbos. The upgrade also addressed other issues we were having with vibration and water wash. We would recommend this upgrade as it pays for itself in the long run, and we can spend less time and energy monitoring the engines."*

*- Wagner Power Systems Customer*

#### PRODUCT SUPPORT SOLUTION

Your Cat<sup>®</sup> Dealer is available with genuine parts and trained experts to help you make an informed decision to upgrade your older turbocharger to the latest technology.

#### UPGRADE OPTIONS

This upgrade requires the Hydrax actuator. Upgrades are available to meet these requirements. This upgrade can also be bundled with other upgrade options, including ADEM A3.

#### ADVANTAGE

Guaranteed for fit and function, Cat parts have the right combination of quality and price with total support from your Cat Authorized Service Location.

#### ORDERING

Your Cat dealer will provide details and availability for your solutions.

#### REMAN

Cat Reman has released turbochargers for certain 3600 engines. Core value may be available for the removed turbocharger during the upgrade. Please consult your Cat Dealer for details.

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