

# ■ Case-IH Steiger 485 and New Holland T9050

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The new Steiger 485 model uses turbo compound technology for the first time in an agricultural tractor application. This technology uses a second turbocharger to convert energy otherwise wasted out the exhaust to provide additional power. The compound turbo drives the crankshaft through a gear reduction system instead of compressing intake air unlike most turbochargers. The gear train of the speed reduction system includes a coupler to isolate the shock of engine firing from the high-speed compound turbocharger components. This engine has increased fuel efficiency, operates more quietly, weighs less, and takes less space than the engine it replaces. The use of two types of turbochargers also provides a more even response over a wide range of engine loading. The addition of the compound turbo system allows closer matching of the maximum engine capability to the power requirements of this particular 485-engine hp model.

