



MACK® MP®7 AND MP®8 ENGINES

HIGHER STANDARDS. LOWER EMISSIONS.



Keep your standards high and emissions low. This next evolution of Mack MP engines is purposefully designed to provide the power and fuel economy your truck needs while meeting new, even stricter emissions standards. With a 2 to 9 percent increase in fuel economy, these mighty MP engines are lighter and emit less CO₂ than before – good for you and the environment.

MackTrucks.com

BORN READY.

MACK® MP®7 AND MP®8 ENGINES

Prepare your trucks to run cleaner than ever before with our MP series engines. We're making sure your vocational, highway and refuse trucks are ready with the engines they need to comply with the latest, strictest emissions standards and keep you at the top of your game. Save fuel, gain power and lower emissions.



COMMON RAIL FUEL SYSTEM

This direct injection system delivers ultra-precise control over fuel injection pressure, timing and volume. The result is more power and efficiency, with less engine noise.

TWO-SPEED COOLANT PUMP

The two-speed coolant pump reduces parasitic loss by delivering the right amount of cooling capacity when maximum cooling isn't required, for an extra 0.5 to 0.6 percent in fuel economy.

TURBO COMPOUNDING

Our MP8 Turbo Compound (TC) engines incorporate a turbine to extract energy from exhaust gases that would otherwise be lost as heat and converts that energy to additional torque on the crankshaft, improving overall engine efficiency.

WAVE PISTON

Our patented Wave piston delivers improved combustion and lower friction, resulting in cleaner emissions and better fuel economy. Six steel waves forged into the piston crown optimize fuel injection for increased combustion efficiency.

SMALLER CARBON FOOTPRINT

Our latest MP engines are specially designed to meet the new EPA standards. They reduce greenhouse gas emissions (CO₂), helping to make your trucks some of the cleanest and most fuel-efficient on the road.

IMPROVED FUEL ECONOMY

The Mack MP7, MP8 and MP8 TC engines deliver better fuel economy than ever before. With our latest engines, you can now experience a 2 to 9 percent increase in fuel efficiency—which means even more savings at the pump.

INTAKE THROTTLE

The MP Series engines are equipped with intake throttles that improve heat management. They help increase the exhaust gas temperature at idle and low load, increasing the efficiency of the exhaust aftertreatment.

CLEARTECH™ ONE

Mack's re-engineered exhaust aftertreatment system is designed for MP series engines and features a sophisticated new design that delivers near-zero emissions and low maintenance in a lighter, more compact unit.

PREDICTIVE CRUISE

This unique system adds even more intelligence to Mack's integrated powertrain. It combines our *mDRIVE*™ transmission and GPS with an intelligent cruise control that learns and stores the road's topography. Then, Predictive Cruise Control uses that knowledge to automatically adjust speed or gently apply brakes to save you fuel—up to 1 percent when it is engaged throughout the entire trip.

SERIOUS WEIGHT SAVINGS

The lighter the engine, the more you can load. The MP8 now weighs 47 pounds less than the previous version, which means more payload per trip day in and day out—plus better operational efficiency and more revenue.

EFFICIENT INTEGRATION

As part of Mack's legendary integrated powertrain, our MP engines work seamlessly with Mack axles and transmissions for improved efficiency, increased uptime and lower cost.