



Pratt & Whitney

A United Technologies Company

Pratt & Whitney EcoPower® Engine Wash

Reducing the Environmental Impact of Engines

Performance:

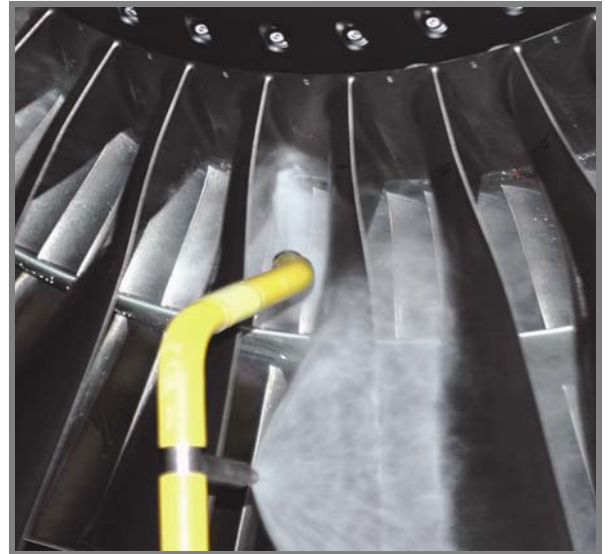
EcoPower® engine wash service is a safe, environmentally responsible solution for better engine performance, improved time on-wing and reduced operating costs. A fast and cost-effective maintenance service, EcoPower® engine washes have been completed for more than 60 customers in some 50 locations.

EcoPower Engine Washing Facts:

- Reduces engine fuel burn by as much as 1.2 percent, saving customers money while conserving resources
- Eliminates three pounds of carbon dioxide emissions for every pound of fuel saved
- Decreases engine exhaust gas temperature (EGT) by as much as 15 degrees Celsius for longer revenue service time
- Uses atomized water eliminating the use of harsh chemicals
- Up to six times faster than other current methods, and the equipment can be set up anywhere
- Effective preventative maintenance without service interruption
- Now available for military applications

2008:

- Pratt & Whitney completed 3,888 washes in 2008, saving customers approximately \$73M in fuel.
- These washes reduced CO2 emissions by 533M pounds, equivalent to the emissions of 26,675 cars, 116,000 people, or that is stored by 41 million trees.



EcoPower engine wash uses only atomized water, eliminating chemical reactions with coatings and sealants.

What Our Customers Are Saying:

“Our calculations tell us that we are going to produce 100 million pounds less CO² this year than we did last year, which is the equivalent of taking 10,000 cars off the road. I’ve been doing this for 40 years and I would say if you don’t consider the Pratt & Whitney EcoPower equipment, you’re not spending your company’s money wisely.”

-- **Johnny Holley**, Manager of Powerplants Engineering, Southwest Airlines

“We see significant fuel savings every time we wash an engine using EcoPower. The Pratt & Whitney EcoPower wash service allows our engines to operate more efficiently, which saves fuel and lowers emissions, but it also keeps the engine on wing longer, which means a significant return on investment for Hawaiian Airlines.”

-- **Charles Nardello**, Senior Vice President, Operations, Hawaiian Airlines



EcoPower washes take place right at the gate, making it an easier, faster and cost-effective maintenance service.