

## The Deutz powered HMMWV



# MISSION ACCOMPLISHED.

The performance requirements for the Army's new high mobility vehicle are tough. They have to be. The HMMWV (High Mobility Multipurpose Wheeled Vehicle) is a tactical 4 x 4 designed to perform under extreme conditions, without failure.

Responding to HMMWV mission requirements, the Deutz 610 AirDiesel will operate at full load, full throttle, all day, anywhere. From hot desert sands to freezing mountain terrain, AirDiesel power performs in all environments without compromise.

Direct fuel injection and an advanced combustion system deliver optimum power for quick acceleration and superior fuel economy for extended vehicle operating range. In commercial automotive applications, Deutz AirDiesels typically get about 20% better fuel economy than liquid-cooled diesels. Deutz power means high mobility for the HMMWV.

### North American Advantage

Designed in and built for North America, the Deutz 610 AirDiesel will be manufactured in an advanced design facility near Montreal. These are North American-sourced engines, with over 50% U.S. vendor support. Deutz engines are backed by a worldwide service network covering 135 countries through thousands of outlets.

### Lowest cost

The Deutz 610 AirDiesel has the lowest life-cycle cost of any proposed HMMWV powerplant. In operating costs alone, the AirDiesel saves 20% over all other engine options. Its 100,000-mile, 2-year warranty is more than eight times the stated coverage of the nearest competing engine.

Deutz AirDiesels are air-cooled, with none of the liquid-cooling componentry that accounts for 40% of all engine maintenance and downtime. A new breed of engine for unrestricted application, the lightweight AirDiesel delivers long-term, uninterrupted service.

### First in field testing

Fulfilling all tactical mission requirements, the Deutz 610 AirDiesel has logged over 150,000 miles of HMMWV contractor field testing. More than ten times that of any other engine. And, the AirDiesel meets NATO cold start requirements, down to -26°F, with no costly and troublesome add-on systems.

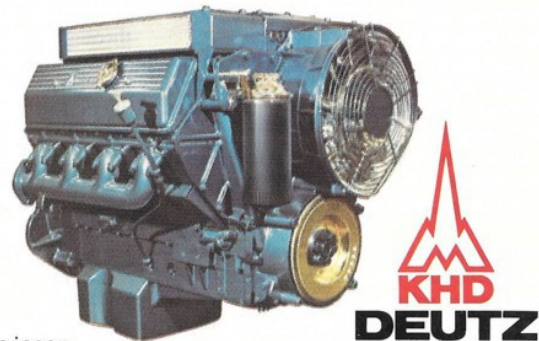
Six years ago we began incorporating military program needs

into the basic 610 AirDiesel design. The result was the first engine in the HMMWV program to be NATO certified. And that's right off the production line, avoiding any reliability risks inherent in off-line modifications.

To some, the performance of the Deutz 610 AirDiesel may seem extraordinary. But we've been pioneers in engine technology since we developed the first production combustion engine, 115 years ago.

### Mission accomplished

The tests are tough. The standards are strict. But the Deutz powered HMMWV meets or exceeds them all.



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