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## PRESS RELEASE

### STEYR MOTORS SUCCESSFULLY TESTS ON JP8

From the very beginning of the development of the unique Monoblock based "M1"-diesel series, STEYR MOTORS has built his own high pressure Unit Injector with a special focus on Multifuel capability.

In continued focus on targeting Military, General Aviation and Commercial applications STEYR MOTORS has announced its engines to be fully JP8 compatible, without any specific adaption or further equipment.

**Jet Propellant 8 (JP8)** is a Jet engine fuel and equivalent to Jet A1 used in commercial air trade. It was specified in 1990 by the U.S. government and is kerosene based. It replaced JP4 fuel in the US Air Force completely by the fall of 1996, as a less flammable, less hazardous fuel for better safety and combat survivability and has been introduced as the "single fuel policy" of NATO Armies.

The STEYR MOTORS M16 engines have successfully completed **1000's of hours of tests** on Jet A1 / JP8 fuels, including but not limited to:

1. **1000hr** Hot Kerosene Rig Tests (1990)
2. **400hr** NATO AEP-5 tests (1997)
3. **3900hrs** of accumulated in house Rig tests (2007/2008)
4. **500hr** test cell durability run (2008)
5. **Over 300hrs** on Calibration engines (2008/9)
6. **100's of hours** in military field tests (2008/9)
7. and many ongoing tests with several manufacturers of Light Tactical / Armoured vehicles in USA, Europe and Asia.

These type aviation fuel often causes extended wear and damage in many modern common rail diesel engines due to the reduced level of lubricity. The STEYR MOTORS unique "Multi-fuel" Unit Injector system *does not rely on the fuel lubricity, therefore making it far more durable*, and has been developed to fulfil typical operational requirements in tough applications and markets including poor fuel qualities, extraordinary high Sulfur content, Bio-Diesel and JP-8 / Kerosene. The same mechanical engine configuration can therefore be used for standard diesels as well as any of the aforementioned fuels without any changeover, while other engine models based on the same Unit Injector even fulfil EURO V Emission requirements.

**About STEYR MOTORS GmbH:**

STEYR MOTORS is a world leader in Engineering and Production of tailor made Diesel engines for Marine-, Special Vehicle-, General Aviation and Industrial applications. STEYR MOTORS has gained vast experience in "Diesel-Electric" and "Hybrid" propulsion, resulting also in the first worldwide introduced Hybrid propulsion for pleasure boats. The company is privately owned after a Management-Buy-Out in 2001 with a history going back to the STEYR DAIMLER PUCH AG.

**About the STEYR M16 engine:**

The STEYR M1-engine family is based on the extraordinary robust and cost effective Monoblock design and the electronically controlled hydraulic / mechanical Unit Injector. The 6-cylinder (M16) model of the M1-engine series is offered with various settings from 135-225 kW and meets emission limits according Euro 3 up to EURO5.

The M16 engine is already worldwide in use with Light / Medium Armoured vehicles, Armoured Personnel Carriers as well as Governmental and Military boats.

**For more information about STEYR MOTORS GmbH:**

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