

Oil & Gas

MTU Frac Pack with Series 4000 Tier 4 final



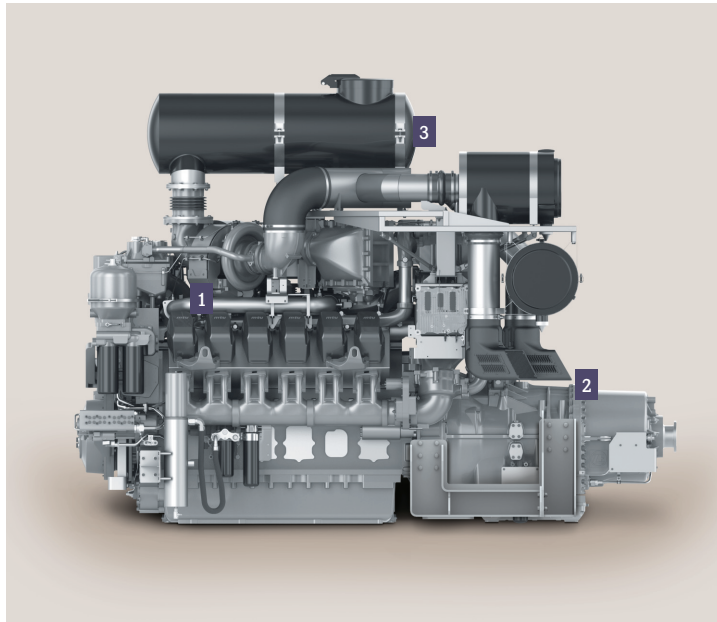
One pack.
Built to frac.



Power. Passion. Partnership.

MTU Frac Pack with Series 4000 Tier 4 final

The new MTU Frac Pack is a complete solution built to meet the high demands of the oil and gas industry. While all its components are engineered to work together to ensure optimum performance, the true strength of the MTU Frac Pack comes from its Series 4000 engine and ZF 8 TX 10 gearbox. The Series 4000 is the only frac engine that meets Tier 4 standards without aftertreatment. With an increased power output of 2,250-2,600 bhp, it achieves up to 5 percent improved fuel efficiency, compared to a Tier 2 engine. And the lightweight and durable ZF gearbox is the perfect complement, providing a high coverage and a maximum input torque of 7,744 lb-ft (10,500 Nm). Working seamlessly together, these key components make MTU Frac Pack extremely reliable – even under the toughest fracking conditions.



MTU Frac Pack benefits:

- Exceptional durability and reliability for maximum uptime
- Specifically designed for the toughest fracking conditions
- One complete system from one trusted source
- All components engineered to work together seamlessly
- Long component life
- Lightweight and compact design
- Lower lifecycle costs,¹ due to improved fuel efficiency and in-engine technology

¹ Compared to Tier 2 engine

² Dependent on air intake temperature. Subject to be confirmed.

1 Series 4000 Frac Engine

- Tier 4 final certified
- No aftertreatment, no additives needed for emissions control
- New power output: 2,250-2,600 bhp (1,678-1,939 kW)
- Optimized performance map for frac application: more low-end torque
- Full performance available up to 13,000 ft (4,000 m)²
- Optimized power-to-weight ratio
- Also available with Tier 2-certified engine

2 ZF 8 TX 10 Gearbox

- High Input Torque: 7,744 lb ft (10,500 Nm)
- Durable
- Lightweight
- High coverage

3 Optional Equipment (MTU Back Pack)

- Additional frame
- Muffler
- Intake tubes
- Air filters

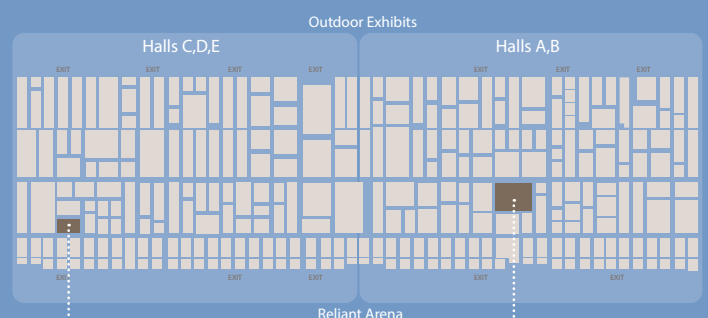
ZF – A preferred MTU partner

MTU and ZF have a successful long-term partnership in several industries such as marine, rail and special driveline technology. Founded during the zeppelin era, both companies continue to set standards of technological expertise, innovative products and customized system solutions.

ZF is a worldwide leading automotive supplier of driveline and chassis technology.

ZF develops and manufactures innovative, high-quality products and related technologies that improve the mobility of people and goods. Products and services offer customers clear added value through leading technologies, quality, and service. Passionate commitment to achieving greater efficiency and resource conservation has made ZF a trendsetter in new markets.

See the new ZF 8 TX 10 Gearbox at OTC 2013



MTU Booth
Booth #1317, Hall E

ZF Booth
German Federal Ministry of
Econ & Tech, Booth #4527, Hall B