

PUMPING OUT PERFORMANCE



REGION:

Mielec, Poland

SCOPE OF ENGINE USE:

Cat® C13B U.S. EPA Tier 4 Final/EU Stage V Industrial Engine

CAT® DEALER:

Eneria

WEBSITE:

eurotech.com.pl



FEATURED TOPICS:

Industrial Engines



Dealer Support

SERVING THE OILFIELD

In 2001, three Polish entrepreneurs with expertise in the oil and gas industry joined forces to form a new business serving Europe's oilfields. For the first few years, Eurotech focused on importing spare parts and specialized equipment for operations involved in crude oil and natural gas exploration, stimulation and servicing. Then, in 2004, the company embarked on the design and production of its own custom products.

Thanks to what co-founder and CEO Janusz Michalcewicz describes as "an individual approach to each customer's needs, innovative solutions and comprehensive service," Eurotech's oilfield equipment lineup has continued to grow. Today's products include workovers (mobile service centers), cementing units, hot oil units, frac trailer tanks, portable flare stacks, wireline units, portable mini-coiled tubing and more. The company has even expanded into the manufacturing of unmanned aerial vehicles (UAVs) for the aviation industry (since 2007) as second leg of business activity.

In the oilfield, Eurotech's mobile pumping units are popular with service companies — those responsible not for oil exploration or production but for critical tasks like testing wells, micro-fracturing or cementing pipes deep underground. Because this work must be completed before oil and gas exploration can begin, speed and reliability are critical. Eurotech's MPU-420, powered by a Cat® C13B engine, delivers on both counts.

TAKING PUMPING ON THE ROAD

Oil and gas service companies move from task to task and site to site often — weekly or even daily — so mobility matters. That's why the MPU-420 is mounted on the chassis of an on-road truck. Typically, Eurotech uses the same engine that powers the chassis to power the pumping unit. But in situations that require more power and reliability, the company turns to Caterpillar. "The Cat brand is very well-known in the oilfield," Michalcewicz says. "Installing Cat engines in our equipment helps to build our customers' confidence."

Performance under pressure. Because the MPU-420 is a high-volume, high-pressure unit — capable of pumping up to 1,600 liters (423 gallons) per minute at pressures of up to 500 bars (7,250 psi) — power topped Eurotech’s engine priority list. At 496 horsepower, the C13B was the perfect fit, providing the right amount of muscle without adding too much weight onto the truck chassis. Another advantage: The C13B enables the MPU-420, which works in oilfields across Europe, to meet EU Stage V emissions requirements.

Step-by-step build process. Configuring the C13B for the MPU-420 was a relatively simple process for Cat dealer Eneria, thanks to detailed requirements drawn up by Eurotech and access to a digital configuration tool provided by Caterpillar. “It allows you to choose from multiple options to find the best fit and then build the engine step by step. That made it easy to tailor the C13B exactly as Eurotech wanted,” says Andrzej Jankowski, industrial sales engineer.

Reliable power, responsive service. With the MPU-420 now at work in Poland, Slovakia and other European countries, Eurotech is counting on the Cat dealer network for the service and support to keep its Cat powered mobile pumping units running reliably. “Customers feel safe buying a unit with a Cat engine, because they know if they call for service, the response is very quick and spare parts are readily available,” Michalcewicz says. “We recommend Caterpillar to our customers with confidence.”



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LET’S DO THE WORK.™

