MTU supplies diesel engines to Pesa for new Gama locomotives

Words: Nina Felicitas Ravens | Pictures: Pesa

Series 4000, locomotive, PESA

MTU has received an order from Polish rail vehicle manufacturer Pesa Bydgoszcz SA for ten Series 4000 locomotive diesel engines. The Type Gama 111Db locomotives from Pesa are to be fitted with 16-cylinder Type 4000 R84 units from MTU, a subsidiary of Rolls-Royce Power Systems AG. The engines are certificated for EU Stage IIIB emissions regulations, and will go into operation in 2015, powering the locomotives and driving the passengers of the Polish rail company PKP Intercity.

Their 2,400 kW output means the diesel engines can take the Gama locomotives up to a top speed of 160 kph. The MTU drive units achieve EU Stage IIIB compliance using exhaust gas recycling, common rail injection and diesel particulate filters. The engines’ two-stage turbocharging technology delivers high charge-air pressures for enhanced power with minimum particulate emissions.

MTU has already won orders from the Polish rail vehicle manufacturer in the past. These include the Type 6H 1800 R85L powerpacks for Pesa’s twelve Link railcars for Regentalbahn AG, a subsidiary of Netinera Deutschland GmbH, in Bavaria, Germany. From mid-2014, Pesa will also be running trials with Link railcars powered by four prototype rail powerpacks based on MTU’s new Series 1600 engines.