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Increased efficiency with BOY EconFluid

As of autumn 2019, BOY will optionally equip its injection moulding machines ex works only with an optimized high-performance hydraulic oil (oil filling ex works is optional). Under the name EconFluid, the tailor-made hydraulic oil offers considerable saving potentials in the energy consumption of injection moulding machines.

Martin Kaiser, Head of Mechanical Design at BOY puts it in a nutshell:

„Extensive tests with Econ-Fluid showed a significantly lower power consumption of the injection moulding machines in comparison with the commonly used hydraulic oils.

For example, the power consumption dropped from 1950 Watts to just 1765 Watts during a sample cycle. The BOY 35 E consumes up to 10 percent less electrical energy and significantly increases its energy efficiency. "

After the servo-electric pump drive, which BOY integrated in a plastic processing machine in 2008, and the development of EconPlast in 2013, an energy-saving plasticizing technology - EconFluid is now another step towards energy savings.

In addition to the improved smooth running properties and the optimized viscosity, EconFluid scores with a consistently lower oil temperature. The effect is



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a significant reduction of the energy required for oil cooling. The EconFluid tested in long-term tests also ensures longer replacement intervals. With appropriate care, the BOY EconFluid can be used for up to five years.



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