

# PURE PLANT OIL CONVERSION KIT

## “AIS OIL COMPACT”

The use of pure vegetable oil as diesel engine fuel is the most energy-efficient use of liquid biofuel produced from a renewable source.

AIS OIL COMPACT is a two tank system. The existing tank is for mineral diesel fuel D2, and additional tank is for vegetable oil or vice-versa.



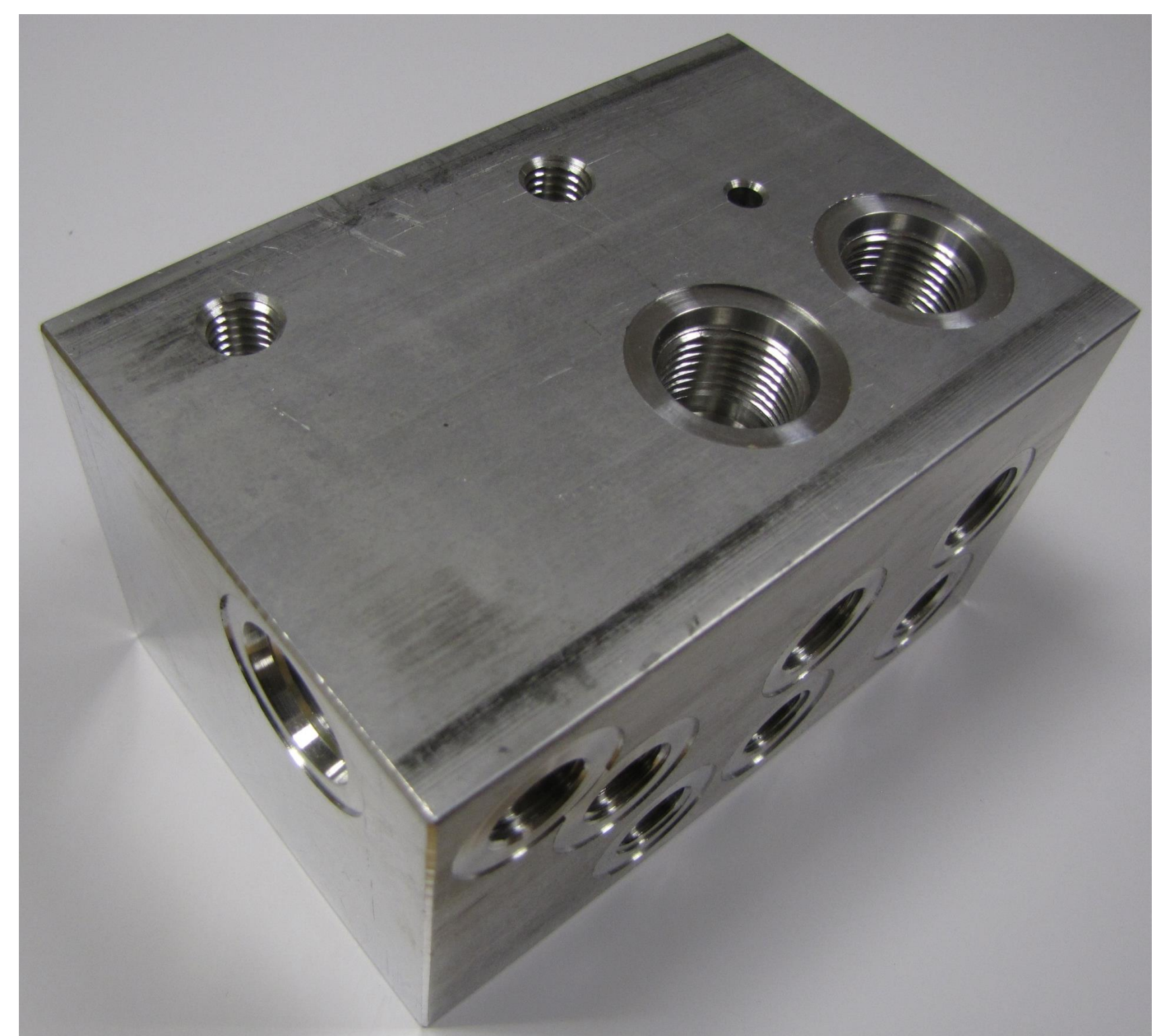
AIS – OIL COMPACT built-in on tractor.

### OPERATION

Turning on the use of vegetable oil is automated. When the engine warms up and the coolant reaches operating temperature, thermostat switches the solenoid valves to ensure that hot vegetable oil from the second tank flows into the engine. Oil gets reliably hot by flowing through the heat exchanger and additional electrical heater. The hot oil has a viscosity similar to diesel fuel and therefore can be used as fuel. Before turning off the engine it is necessary to turn off the switch on control panel so the pipes and injectors are fed again with mineral diesel to allow normal next engine startup.

### Benefits of AIS-OIL COMPACT

- All the components are integrated in an aluminum block, therefore no pipes for interconnecting the components are needed.
- The heated oil filter provides better flow and filtration in cold weather.
- Heating of oil reservoir for reliably operation in cold weather.
- Additional valve for fast switching between use of oil and diesel fuel.
- The warning alarm when you shut down the engine without fuel switching process.



Alu. blok AIS-OIL COMPACT

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