UDC 629.03

Alyokhin S.A., Gritsyuk A.V., Dorozhenko A.N.,

Kondratenko V.G.. Thermo-stabilized ceramic heaters for improvement of cold starting of smalldisplacement diesel engines of power units // Internal

combustion engines. – 2008. – № 2. – P.107-111.

Developing an oil heater in an oil tank of the diesel

engine of the power unit it was used heating elements,

designed on the basis of ferroelectric semiconductor

(posistor) ceramics, developed by Institute of Common

and Inorganic Chemistry named after V.I. Vernadskiy of

National Academy of Sciences of Ukraine in cooperation

with the State enterprise " Kharkov engine design bureau".

The carried out comprehensive tests have shown

the efficiency of the oil heater with such heating elements.

The applying of such heater allowed to implement oil with viscosity of 16 centistokes at the ambient

temperature down to a minus 200С in the diesel engine

of the power unit EA-10М. Tabl. 3. Il. 5. Bibliogr. 4

names.