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Andreev A.A., Radchenko N.I. Reducing the expenditure on charge air cooling in marine low speed diesel

engines // Internal combustion engines. – 2008. – № 2. –

P. 64-67.

Influence of ambient air intake and cooling water

temperatures on charge air temperature and the efficiency

of modern low speed diesel engines with high

effective turbocharging was analized. It is shown that

expences of electric power on circulation of cooling water

and specific fuel consumption can be greatly reduced

due to preliminary water cooling before low temperature stage of the charge air cooler in waste heat recovery

ejector refrigeration machine. Scheme solution with connecting

of the waste heat recovery refrigeration machine

to the existing contours of water cooling of low- and

high temperature charge air coolers is offered. Il. 4. Bibliogr.

8 names.