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Parsadanov I.V. /Energy losses on drive of the high pressure fuel pump of the autotractor diesel / I.V. Parsadanov, S.U. Belik, M.V. Krivko, I.V. Rykova // Internal combustion

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The power on the pump shaft drive is defined. It was

calculated from indicator pressure and theoretical productivity

of the pump. As object of the study is chose autotractor

diesel 6CHN 12/14 which is completed with the rowing fuel

pump of the high pressure FP-635 (dп = 12 mm and Sп = 15

mm).For intensification of fuel delivery a Common Rail

system was offered. This system can provide the injection

pressure up to 200 MPa. The share of the energy losses on

drive FPHP in total mechanical loss while intensification of

the fuel delivery was calculated.