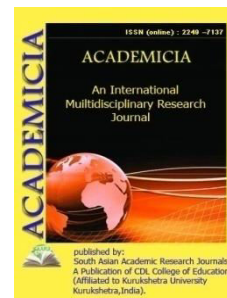




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**PRODUCTION AND TESTING OF AN EXPERIMENTAL BATCH OF  
 GEAR LUBRICANT ALSL-UZ IN THE CONDITIONS OF THE  
 REPUBLIC OF UZBEKISTAN**

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**ABSTRACT**

*Requirements for the viscosity of the gear lubricating oil. A prototype of ALSl-Uz (AL-Axial lubrication, sl- semi-liquid, Uz- Uzbekistan) type gear lubricant was developed and manufactured from local raw materials. Laboratory tests of a prototype gear lubricant were carried out at the Fergana Oil Refinery. The samples obtained were tested on the T-40 Tractor in the conditions of the farm "Agrosanoat Hosil Servis". The Institute of General and Inorganic Chemistry of the Academy of Sciences of the Republic of Uzbekistan has carried out work on the development and manufacture of a composition of a gear lubricant of the ALSl-Uz type from local raw materials. The service life of lubricants is quite long, which is why the owner often has to change the material, which could not even develop half of its own resource. Therefore, thickened (all-season) products have gained great popularity on the domestic market.*

**KEYWORDS:** Reducer Grease, Gear Starter, Viscosity, Transmission, Asphalt, Extract.

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