

## ED-118 RUSUMIDAGI TORTUV ELEKTRDVGATELLARINI MAGNIT MAYDON SUSAYTIRISH ZANJIRINI HOLATINI ADABIYOTLARDAGI TAHLIL QILISH

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### ANNOTATSIYA

Lokomotiv tortuv elektr dvigatellarini magnit maydonni susaytirishda ko‘pchilik hollarda avariyaaviy ish rejimlarda guruhli kontaktorlarning kontaktlarini yoy natijasida kuyishi va ishida kontaktlarni to‘liq tutashishini ta‘minlamasligi natijasida magnit maydonni susaytirish jarayonini qiyin kechishi kuzatiladi. Bu esa qo‘shimcha yokilg‘i sarf xarajatini keltirib chiqaradi. Lokomotiv depolarda extiyot qismlarning kamligi va yangi guruhli kontaktorlar va uning qismlarini MDH davlatlaridan sotib olinishi teplovozlarning ta‘mirlash va foydalanish jarayonidagi sarf xarajatlarning ortishiga sabab bo‘ladi. SHuning uchun lokomotiv TED magnit maydonini susaytirish diagrammasini korreksiya qilish va FIK orttirish bo‘yicha tadqiqot olib borish O‘zbekistonda dolzarb xisoblanadi.

**Kalit so‘zlar:** lokomotiv, kontaktor VSH, magnit maydon , RD-3010 relesi, 2TE10M , tadqiqot, natija, samaradorlik, teplovoz, texnologik jarayon.

### ABSTRACT

When the magnetic field attenuation of locomotive TEDs is often observed in emergency operation modes, the process of attenuation of the magnetic field is difficult due to arcing of the contacts of group contactors as a result of arc and failure to ensure full contact of the contacts in operation. This results in additional fuel consumption costs. Lack of spare parts in locomotive depots and the purchase of a new group of contactors and their parts from the CIS countries will lead to an increase in the cost of repair and operation of locomotives. Therefore, the study of the correction of the attenuation diagram of the locomotive TED magnetic field and the acquisition of FIC is relevant in Uzbekistan

**Keywords:** locomotive, contactor VSh, magnetic field, RD-3010 relay, 2TE10M, research, result, efficiency, locomotive, technological process.