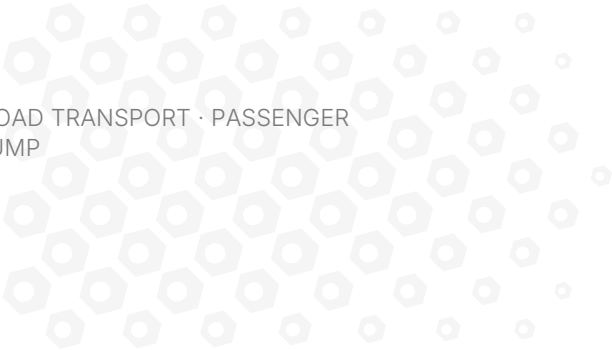




JSC "AVTOKOLONNA No. 1118" · REPORT OF 06.08.2002

Ikarus-280, worn injection pump: fuel overrun gave way to fuel savings

JSC "Avtokolonna No. 1118" · approved by Technical Director Yu. A. Leonov; signed by the acting diagnostics engineer, the head of the technical department and the director of LLC "Arktik-Avto"
Russia · report of 06.08.2002 · waybill monitoring 01.06–05.08.2002

PRODUCT	TREATED UNIT	DOCUMENT TYPE
XADO revitalizant gel fuel system treated in two stages	Ikarus-280 bus reg. No. M 987 VV 51 · fuel system, injection pump	Company report with signatures and seals

EQUIPMENT	CONDITION AT THE START OF WORK	WHAT WAS MEASURED
Ikarus-280 bus, reg. No. M 987 VV 51	Heavy injection pump wear found during inspection of the fuel system; monthly fuel overrun of 106 l as of 01.06.2002	Fuel consumption from the company's waybills

The bus ran a scheduled route; because of the degree of injection pump wear, the revitalizant gel was applied in two stages.

Key result

fuel consumption from waybills, overrun of 106 l/month → savings

Bus fuel consumption from the company's waybills

CONTROL DATE	STAGE OF WORK	FUEL CONSUMPTION
01.06.2002	Before treatment	Monthly overrun of 106 l
31.07.2002	After treatment of the fuel system	Savings of 79 l
05.08.2002	After the repeat treatment	Savings of 15 l

Consumption was recorded by the company itself from the bus waybills; the treatment was carried out by LLC "Arktik-Avto".

Recorded in the company report

The decision to treat was taken after an inspection of the fuel system and an analysis of consumption from the waybills: the injection pump was worn so badly that the XADO revitalizant gel was applied in two stages. Further, in the words of the report: "As of 01 June 2002 the monthly fuel overrun amounted to **106** (one hundred and six) litres. After treatment of the fuel system, analysis of the waybills as of 31 July 2002 showed fuel savings of **79** (seventy-nine) litres. After the repeat treatment of the fuel system, analysis of the waybills as of 05 August 2002 showed savings of **15** (fifteen) litres." The worn high-pressure injection pump stayed on the vehicle and continued to work on the route — the overrun in the company's waybills gave way to savings.

XADO

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The results relate to the fuel system of an Ikarus-280 bus in scheduled passenger service; on other equipment and under a different duty cycle the figures may differ. The original report of JSC "Avtokolonna No. 1118" dated 06.08.2002, with signatures and seals, is published in full and available for download.