



## Examination of Vehicles Carrying Fast-Breaking Cargo

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### ABSTRACT

The expert concludes on the general condition of the vehicle. In the event of a positive conclusion regarding the general condition of the body, it is recommended to evaluate the vehicle for a period of three years according to the category originally established by the plant that produced it, and the vehicle is sent for carrying out the determination of its isothermal characteristics.

### Keywords:

Manometers, SPS, car, vehicle, shtangensirkul and roulette, diagnostic

Automobile transport is one of the most important components of the forces that move the successful development of the state economy. Road Transport has not only economic, but also strategic importance.

Car transport acquires its own qualities when performing tasks:

- possibility of delivery of cargo on a clear graph;
  - high-speed transportation of goods; which reduces the demand for working capital and accelerates capital circulation;
  - the possibility of delivery of goods in small batches at the request of the consumer;
  - speed in the transportation of goods.
- [1].

With the increasing content in the movement currently in use, the costs associated with their maintenance and repair increase even more. At the same time, a large amount of spare parts and materials are needed for automobile transport, and various technological equipment and devices must be used for maintenance and repair[2,3]. The technical basis of the production of some motor transport enterprises (ICHTN) is not

sufficiently supplied with the means of mechanization of technological cliffs and various technologic equipment, devices for maintenance and repair, which negatively affects the maintenance of cars in a technically prepared state and reduces the labor productivity and quality of work of workers.

Piston rings-an assessment of the state of a compound consisting of a slindr Gill, that is, by the amount of gases that burst from Stein into the crankcase munkin. This diagnostic parameter is measured using the KI – 4887 – 1 consumption meter (fig-1). Before that, the engine is heated to the normal heat regime. The instrument has a chute with input 5 and output 6 Drossel sentences. The inlet cartridge 4 is connected to the oil injection joint of the engine, the ejector 7, which drives gases, is installed inside the outlet pipe or is connected to a vacuum installation. as a result of thinning in the injector, crank gases come to the consumption meter. With coupling 5 and 6, the manometers are determined at manometer 1 using jumrak 5, where the pressure in the strut space is the same for all measurements of the atmospheric pressure difference, so that they

take the liquid in columns 2 and 3 to one level [4,5,6,7].

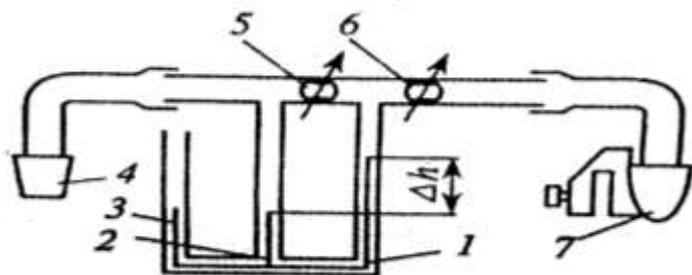


Figure 1. Scheme of a spending meter Ki - 4887 - 1.

1-3-manometers; 4-input potrubog; 5-6 - input and output Drossel coupling; 7-injector.

The examination provides for the issuance of a SPS certificate in accordance with the SPS to each vehicle intended for the transport of perishable goods.

The SPS certificate records:

- name and location of the owner (representative) of the vehicle intended for the transportation of perishable goods;

- name and location of the manufacturer of the vehicle intended for the transportation of perishable goods;

- name and location of the organization that issued the certificate;

information about the vehicle intended for the transport of perishable goods, which, in accordance with this regulation, allows you to identify this vehicle, its type, category;

- conclusion of the expert organization about the compliance of the

vehicle intended for the transportation of perishable goods with the established requirements;

- information on the results of expert examinations of vehicles;

The validity period of the SPS certificate [8,9,10,11]. The fee for issuing a certificate is not charged.

Vehicles intended for the transport of perishable goods and registered in the established order on the territory of the Republic of Uzbekistan and used are examined

on the basis of conducting expert examinations of motor vehicles [12].

Expert examinations of vehicles intended for the transport of perishable goods and registered in the established order on the territory of the Republic of Uzbekistan and used are carried out by laboratories (the so-called laboratory, which is registered in the established order in the "Uzstandart" agency) [13].

Methods of expert inspection of vehicles should be in accordance with the SPS and other methods developed by expert organizations in relation to the inspection of vehicles used [14].

An expert examination of newly prepared vehicles intended for the transport of perishable goods is carried out 6 years after their preparation, and in the coming years — every 3 years [15].

An expert examination of vehicles is carried out by the registered laboratory on the basis of the applicant's application and a contract with him, which is drawn up in two copies.

The registered laboratory registers the application in one working day and for two working days gives the applicant a copy of the statement that the isothermal characteristics of the vehicle have been checked. Submits the original of the protocol to the authorized body responsible for the implementation of the SPS for issuing the SPS certificate [16,17,18,19]. The statement can be issued in electronic form or directly.

The change in the isothermal properties of motor vehicles intended for the transport of perishable goods or the effectiveness of thermal equipment installed on them due to structural violations as a result of certain external influences becomes the basis for the provision by the owner (his representative) of motor vehicles intended for the transportation of perishable goods for an unscheduled examination of the owner of a motor vehicle intended for the transport of perishable goods (its representative) must put in accordance with the requirements of this procedure familiar signs with a letter containing its category and type on a motor vehicle intended

for the transportation of perishable goods, for which an SPS certificate is issued [20,21,22,23].

### General vehicle inspection

Name of the work being done	Technical feature, short description
General vehicle inspection: General feature of the structure of the insulating layer; Insulation method, type and condition of walls; Isothermal barrier conservation status; Walls thickness.	It is carried out by examination by an expert. Identified shortcomings, objections are recorded in the examination minutes
Checking air tightness	Checking that light falls from the opposite side through the holes. This process is performed by an expert. Checking air tightness (cistern-does not apply to vehicles).

The examination is carried out by an expert standing inside the vehicle, which is placed in a brightly lit zone. Other methods can be used that can give more accurate results.

The means of measurements are introduced in accordance with the documentation for their use, the conditions and duration of measurements must fully correspond to the method of measurements.

When geometric volumes are measured using measuring tools or several measuring tools, this volume must be measured three times, and the final result must be taken as the average arithmetic value of the three measurements.

When carrying out measurements, it is imperative to follow the instructions of the technical documentation of the measuring pribors[24,25,26,27].

Geometric volumes are measured using shtangensirkul and roulette. The following indicators are measured:

- ✓ exterior dimensions of the body: length, width, height;
- ✓ internal dimensions of the body: length, width, height;

By calculation, the following are determined:

- total body area;
- internal useful volume of the body;
- overall inner surface of body;
- common outer surface of body;
- average body surface;
- average heat exchange surface size;
- the total thickness of the walls.

The expert concludes on the general condition of the vehicle. In the event of a positive conclusion regarding the general condition of the body, it is recommended to evaluate the vehicle for a period of three years according to the category originally established by the plant that produced it, and the vehicle is sent for carrying out the determination of its isothermal characteristics.

In the event that the conclusion is negative, the vehicle is sent to eliminate the identified shortcomings. After the shortcomings are eliminated, the vehicle can be submitted for re-examination.

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