



Waste
recycling
association



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MANUFACTURERS AND IMPORTERS OF THE ASSOCIATION



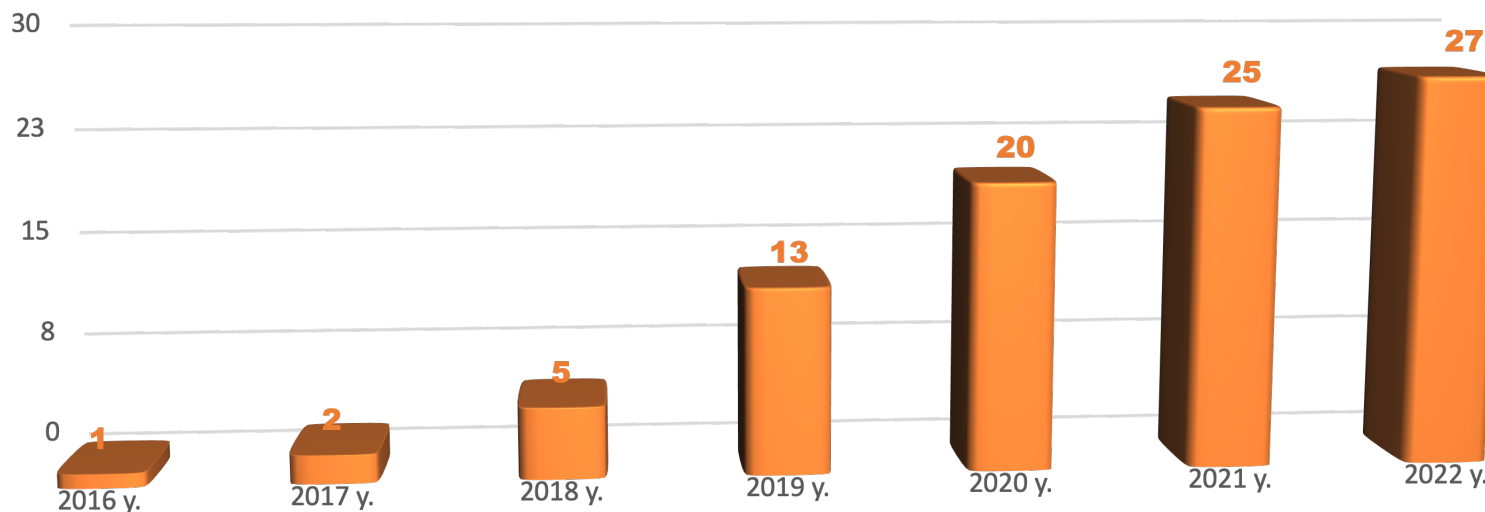
СМАЗОЧНЫЕ
МАТЕРИАЛЫ



ПЕРМСКИЙ
ЗАВОД МАСЕЛ



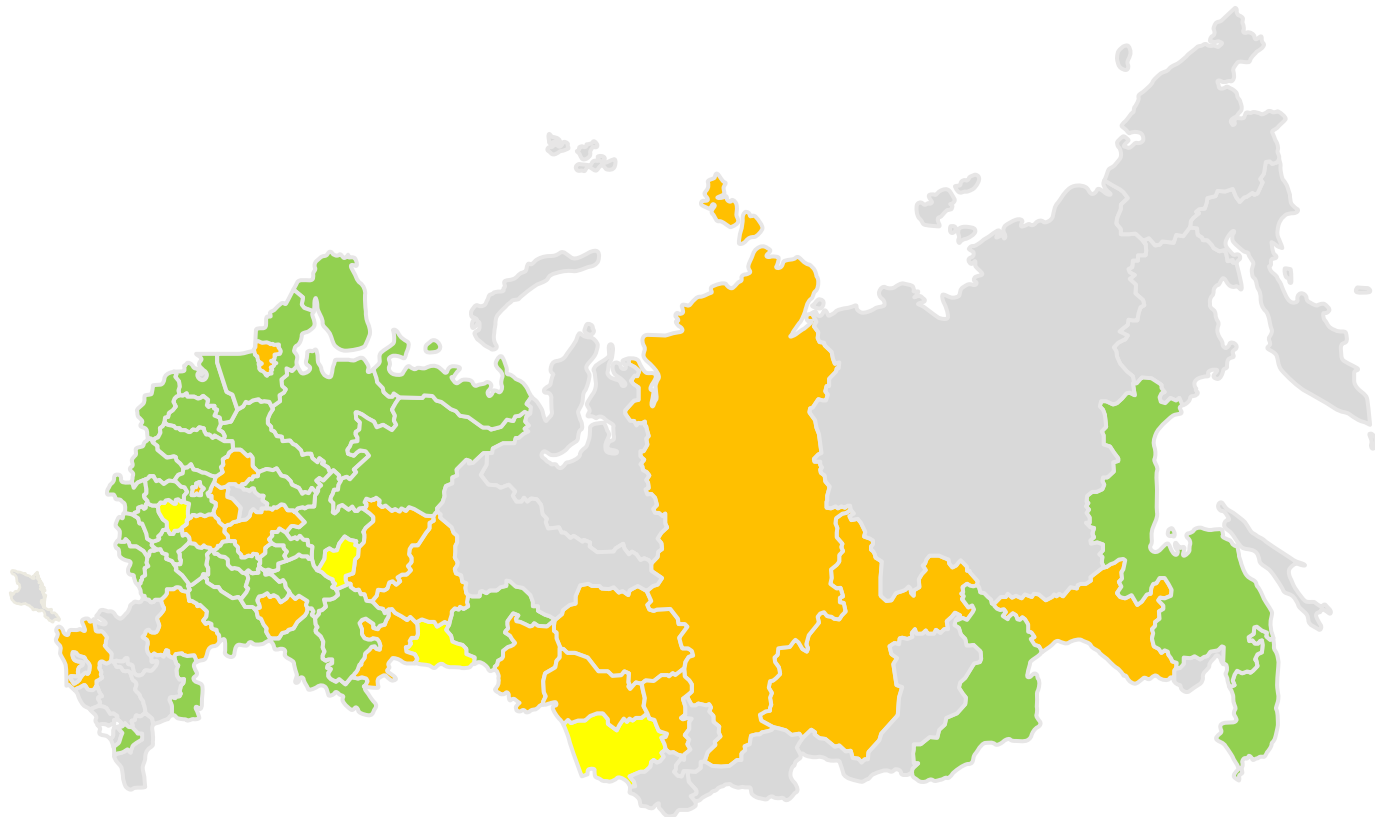
WASTE OIL AND PACKAGING RECYCLERS (MEMBERS AND PARTNERS)



MISSION AND GOALS OF THE ASSOCIATION:

- Coordination of the activities of WRA members, representation of their interests and protection of their rights;
- Improving the quality of goods (works, services) produced by WRA members;
- Consulting on the issues of handling production and consumption waste;
- Facilitating the implementation of the EPR (Extended Producer responsibility);
- Development of a separate waste accumulation system;
- Modernization of existing and commissioning of new waste disposal facilities;
- Implementation of effective technologies and standards;
- Improving the level of professional training and education of staff;
- Creating conditions for a circular economy.

THE ASSOCIATION TODAY:



- Collection and accumulation of waste oils
- Collection, utilization
- Negotiations for cooperation
- Potential partners

- ✓ **38** current members in the WRA
- ✓ **15** manufacturers and importers of lubricants
- ✓ **27** partner companies in the field of oil and packaging waste disposal
- ✓ In more than **35** regions of Russia
- ✓ More than **450** thousand tons of waste processed in **7** years

Participation of experts of the Association in various conferences



International cooperation



Scientific and Technical Council of Rospirodnadzor

Working group of the Ministry of Natural Resources of Russia on ecology

Council of the Chamber of Commerce and Industry of the Russian Federation for Ecology



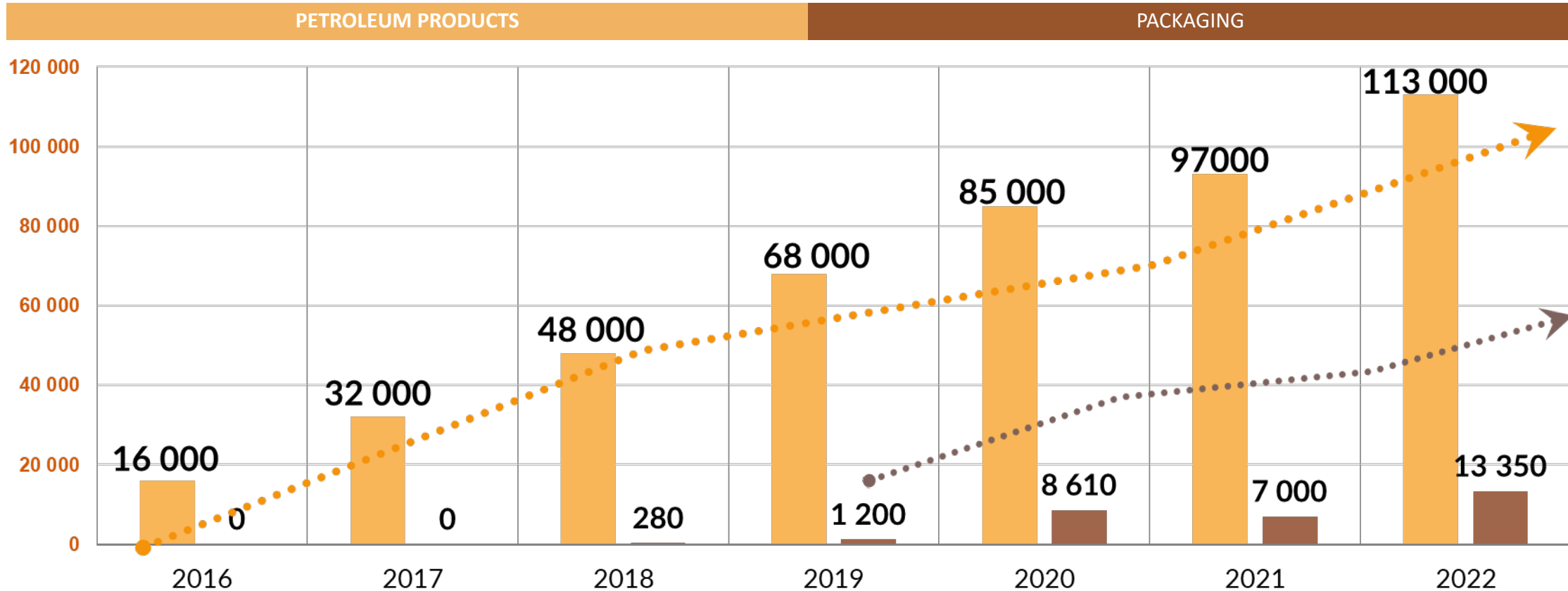
FIELD AUDIT OF THE ASSOCIATION FOR ENTERPRISES

- ✓ Verification of utilizers for availability of genuine design capacities, equipment, capacitive park, etc. for recycling.
- ✓ Checking the enterprise for the availability of qualification documents and technical requirements (Constituent documents, license, environmental reports, equipment, waste accounting, products).
- ✓ Visual and technical inspection of the facility for the availability of capacities and actual utilization.
- ✓ Registration of acts on the audit.



COLLECTION AND PROCESSING OF USED PETROLEUM PRODUCTS VIA WRA

Utilization of petroleum products and related packaging (in tons)



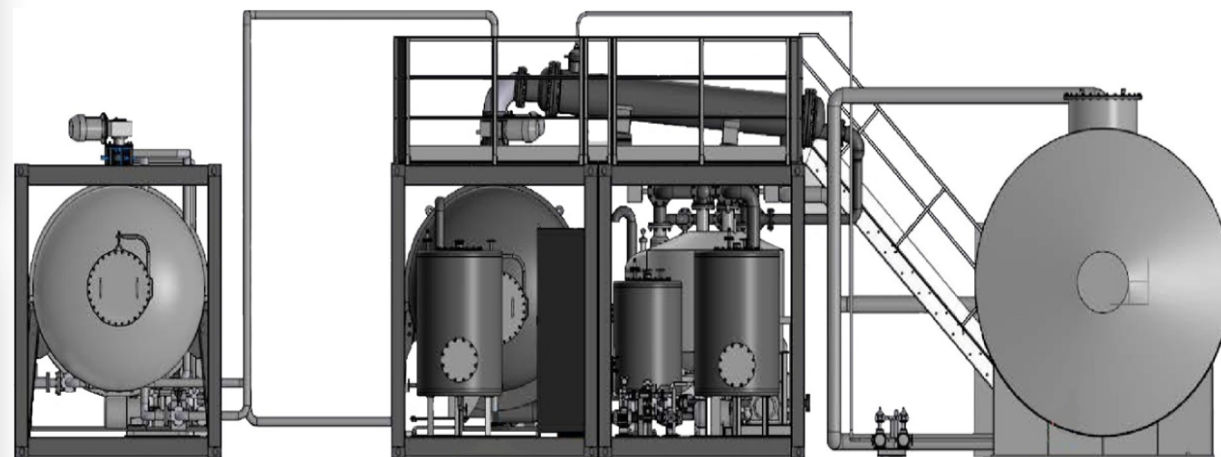
Packaging has not been recycled

WRA'S DRAFT PROGRAM ON THE ORGANIZATION OF STORAGE POINTS AND PETROLEUM REFINING FACILITIES



Waste oil collection points of various configurations and equipment (Volume from 1m³ to 26m³)

2020 year.



Mobile plant for processing.
Capacity – 3000 tons per year

IMPLEMENTATION OF THE PROGRAM 2021-2022y.

Points for the separate accumulation of waste oils at the sites of members and partners of the Association



Large-tonnage automated point for the accumulation and issuance of waste oils of the Repair Depot of the Russian Railways

Mobile plant for processing petroleum products



* 12 x 6 meters

* 37 tones



14 people

4 shifts



VACUUM DISTILLATION



No liquid discharges and effluents from the plant



EQUIPMENT

The plan itself is a modular complex mounted on the basis of two hull frames (with dimensions and transport fastenings matching a 40 ft HC sea container), inside which the main parts of the equipment are fixed, which allows for autonomous work and has the ability to be transported to a place where complex of works is necessary.



SOLUTION

- ✓ Implementation of mobile plants for processing petrochemical products of various compositions

PURPOSE

- ✓ Production of base oil components and bitumen plasticizers in logistical accessibility from the places of accumulation of petrochemical raw materials, including waste oils

TECHNOLOGY

- ✓ Vacuum separation of a mixture of pre-normalized petrochemical raw materials into target products - an oil component and a bitumen plasticizer. By-product - light fraction is used at the plant as a burner fuel



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- Formation of a collection and disposal system in the Russian Federation.
- Promoting execution of Extended Producer Responsibility.
- Investing in the future.



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