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advanced transformation, transformation for the better



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STRATEGY CONTENT

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Adding value to sustainability, technological development, and the national economy

Türkiye's only Group II
Base Oil Refinery



60,000 Tons/Year
Used Lubricating Oil
Processing Capacity



45,000 Tons/Year
Group II Base Oil
Production Capacity



2011

TAYRAŞ Company
was established

2018

Groundbreaking of the
advanced transformation
refinery in Bilecik / Türkiye

2019

Increased R&D
activities, technology
selection completed



TiDRABASE[®]
N70 N100 N150

Empowering 350 People
Through Employment

Up to 70% Emission Reduction
Compared to Base Oil Production
From Crude Oil Refining



2022

Licenses finalized
and production
started in
Bilecik / Türkiye

2024

Full capacity
production achieved

2025

Second refinery
construction initiated



Türkiye's First Strategic Environmental Investment

Converting used lubricating oils into superior-quality base oils through advanced refining and hydro-treatment technologies.

60.000 tons/year waste lubricating oil processing capacity

45.000 tons/year Group II base oil production

Up To 75.000 tons/year emission reduction

Up To 70% emission reduction compared to base oils from crude oil

350 employment for 350 people

For Our Environment,
Climate, and Economy:
Advanced Transformation,
Transformation for the Better



advanced transformation,



transformation for the better



Delivering Advanced Transformation to Every Corner of Türkiye

We collect used lubricants from auto repair zones, car services, public institutions, mining sites, logistics companies, industrial facilities, and factories across the nation.

Through our extensive logistics network, we provide sustainable service in every corner of our country, contributing to the environment.

In our logistics operations, we carefully plan the collection of used lubricants, sourcing them nationwide to support environmental sustainability and enhance economic efficiency.

Moreover, by using the latest technologies for safe transport and storage, we return these resources to reuse without harming the environment.



We collect used oils with highest HSSE standards

Giving a New Life to Used Lubricating Oils

With our extensive vehicle fleet and logistics infrastructure equipped with railway connections, we collect used lubricants directly from the source and transform them into high-quality products.

Placing sustainability, environmental care, and human health at the forefront, we carry out our supply and logistics operations in full compliance with all legal regulations, transporting used lubricants to our refinery.

Before accepting the collected used lubricants into our refining facility, we conduct analyses in our accredited laboratory. Based on these results, we convert used oils suitable for advanced recycling into high-yield base oils through our clean production technologies, without creating additional pollution.

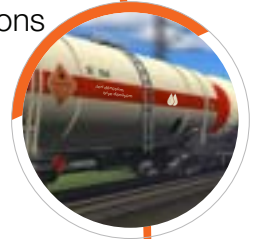


Our used oil collection fleet operates with highest care for environment

75 Collection and Transfer Vehicles



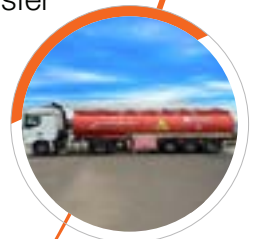
36 Railway Transfer Wagons



10 Transfer Points
4 Railway Connections



Approximately
2.5 million km
of safe transfer
operation



Refining Process and Hydroprocessing

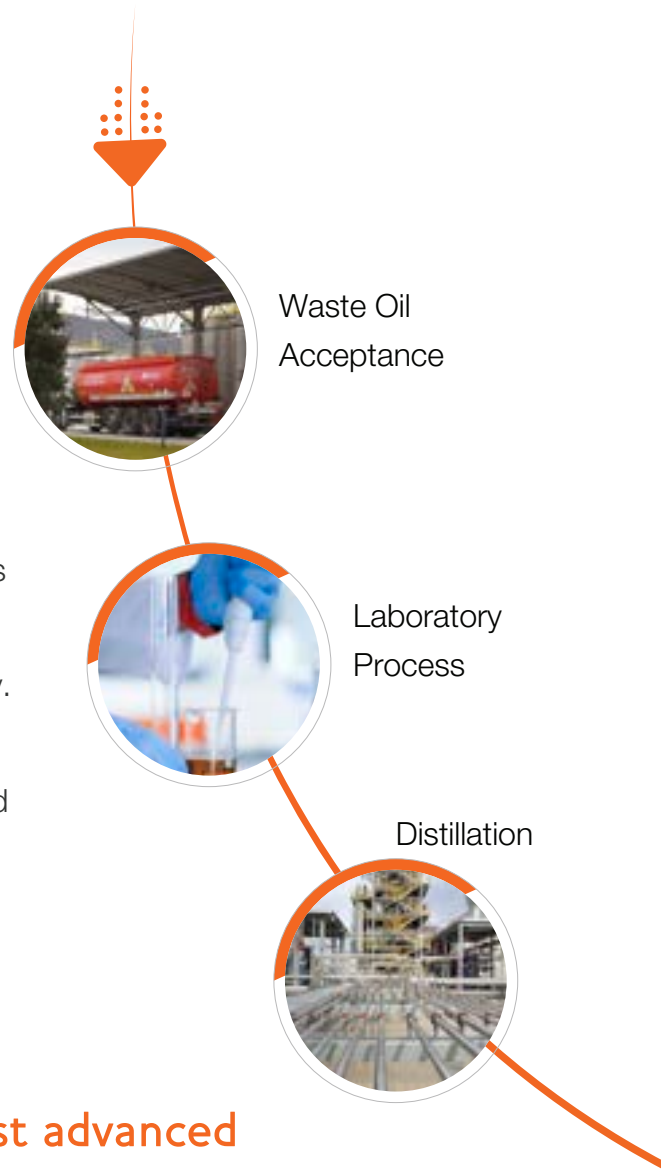
In our refinery, we use the most advanced technologies to transform used lubricants into Group II base oils.

Through our hydroprocessing application, which involves a reaction under defined pressure and temperature conditions in an environment with special metallic catalysts, we produce base oils of high quality and purity.

In our refinery, compliant with national and international standards, we aim to minimize environmental impact and supply the market with base oils that carry a low carbon footprint.



Home to one of Europe's most advanced facilities, TAYRAŞ is Türkiye's first and only Group II base oil refinery.



Our Eco-Friendly Advanced Technology

In our refinery processing used lubricants, we produce Group II base oils through a four-stage distillation and hydroprocessing system, using the best available technology.

Throughout this process, we always prioritize our environmental responsibility in line with sustainability principles, taking steps to conserve natural resources through energy efficiency.

As a result, we obtain high-quality and eco-friendly products, delivering better service to our customers through our innovative approaches and technological investments.



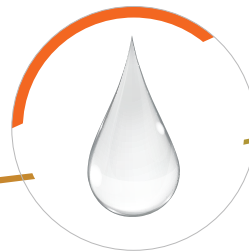
Hydro-treatment
Processes



Quality
Control



TIDRABASE[®]



Product Sales



Eco-Friendly & Innovative Production

At TAYRAŞ, we harness the power of innovation through our industry-leading technological solutions and contribute to a sustainable future with our eco-friendly production.

By employing our advanced technology in Europe, we produce high-quality Group II base oils to meet the raw material needs of the lubricant industry, while creating significant added value for our environment and national economy through the recovery of used lubricants.

We clearly demonstrate our superiority in the sector with our leadership in innovation and process development. Our process, advanced by hydroprocessing technology, establishes our refinery as the technology leader in our country.

By combining innovation and quality in everything we do, we act together to create value for all our stakeholders and shape our better outcomes strategies in this direction.

Our advanced hydro-treatment technology enables unmatched refining precision and product consistency.



Transforming Waste into Value

TiDRABASE, with its high viscosity index, clear and odorless structure, low sulfur content, and minimal carbon emissions, is a high value-added product.

Produced with clean and sustainable technology, TiDRABASE Base Oils are the assurance of sustainability and performance for our lubricant industry.



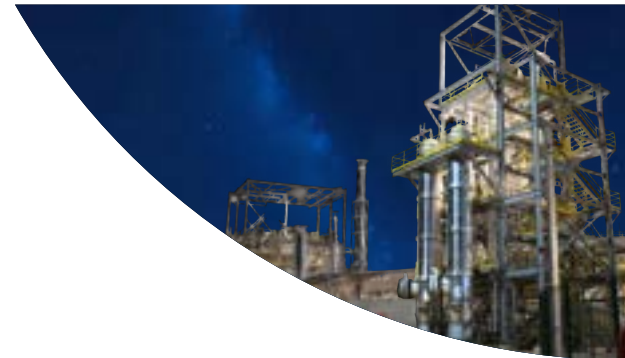
TiDRABASE[®]
N70 N100 N150

Zero Waste Movement for a Sustainable Future

At TAYRAŞ, we wholeheartedly support the 'Zero Waste' movement in Turkey, working with our sustainable resource use and eco-friendly approach to leave a clean world for future generations.

We carry out our activities with full awareness of our responsibility to the environment.

With our principle of advanced transformation, transformation for the better, we work for a sustainable future, adding value to our environment and to the circular economy.



Advanced Transformation for a Cleaner World



TİDRABASE Base Oil has been designed in accordance with the industrial needs of the lubricant sector in mind.

Produced with high efficiency and a low carbon footprint, TİDRABASE Base Oil holds the distinction of being the first Group II base oil produced in Türkiye.

Your Key Partner for Decarbonization

Through our advanced refining applications and nationwide waste oil collection system, we minimize the environmental impacts of waste oils while conserving our natural resources. With our innovative processes and low-carbon production, we reduce carbon-based emissions by up to 70% compared to virgin base oils.



TAYRAŞ: The Assurance of Advanced Transformation and Sustainability

With the value we place on people and the environment, we take sustainable steps in all our processes and work for a cleaner future.

By basing our activities on the principles of sustainability, we aim to meet the needs of both today and future generations.

Contribution to the National Economy

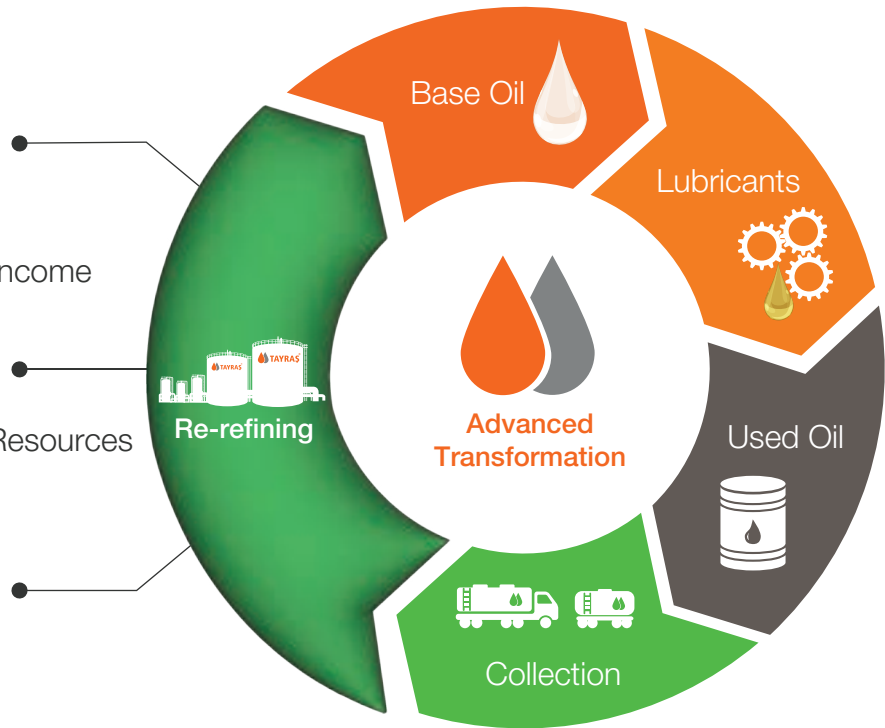
- High-Quality Products
- Added Value
- Contribution to National Income

Contribution to Nature and the Environment

- Conservation of Natural Resources
- Decarbonization
- Emission Reduction

Contribution to Social Life

- Sustainability
- Social Awareness



Growing Stronger Together, Every Day

We shape our human resources approach around TAYRAŞ's vision, mission, competencies, and ethical values. With our commitment to supporting change and transformation, we embrace a participatory, transparent, and value-driven management approach, offering an inclusive workplace focused on equipping our employees with the skills they need. For a stronger future, we foster a culture of open communication, aiming to maximize employee engagement and satisfaction. We provide young talents, who make up the majority of our team, with training opportunities that allow them to specialize in their fields.

For employees at all levels pursuing their careers at TAYRAŞ, we support their preparation for the future with various training programs, raising the leaders of tomorrow under our principle of **“Dedicated to Investing in People, Science, and Positive Change.”**



**Our Mission is Innovation,
Our Purpose is a Better Tomorrow.**

Ethical Values



Training and
Development



Innovation



Youth
Employment



Advanced
Technology



Teamwork





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