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# TUNNELLING INTO THE FUTURE

With Sustainable Mining Solutions

The mining and tunnelling industry leaders are actively examining how India's mining and tunnelling equipment industry is meeting the challenges of the current infrastructure landscape. We will take a deep dive into the creative solutions pursued by OEMs and manufacturers to optimise costs, enhance equipment availability, and strengthen self-reliance within the sector.



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# DRIVEN BY PERFORMANCE

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# Eni Lubricants – a trusted partner for highly sophisticated equipment

*Eni Lubricants leads the way in offering customised lubricants to satisfy the demands of the industry.*

**E**ni Lubricants is the largest industrial conglomerate in Italy and one of the world's leading Industrial conglomerates, operating in over 100 countries and offering over 400 lubricant variations.

In India, Eni has partnered with Apar industries Ltd for manufacturing and marketing the world class Eni Products. Apar is a diversified billion dollar company which has expanded to over 140 countries as a highly trusted manufacturer and supplier of conductors, a wide variety of cables, speciality oils, polymers and lubricants. Sundar Subramanian, Senior Vice President Sales and Marketing at Apar Industries Limited's Eni Lubricants Division, discusses the company's products and more.

## What sets Eni Lubricants apart as high-performance lubricants for tunnel boring machines and sophisticated machinery in challenging environments?

Eni Lubricants has emerged as a leading player in the supply of high-quality lubricants for a range of critical equipment, including tunnel boring machines and other sophisticated machinery. With a strong presence in India and a global reputation, Eni Lubricants has garnered the trust and satisfaction of customers both in India and worldwide.

These machines operate in challenging environments, enduring immense pressures, extreme temperatures and heavy loads. To ensure optimal functionality and longevity, they require high-performance lubricants capable of withstanding such harsh conditions. Eni Lubricants leads the way in providing tailored lubricants to meet the unique demands of this industry.



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**Sundar Subramanian,**  
Senior Vice President - Sales & Marketing  
Apar Industries Limited

## What are the ENI products for Commercial Vehicles and mining customers?

ENI has developed a complete range of lubricants that guarantee high efficiency, reliability and protection for heavy-duty diesel commercial vehicles. The i-Sigma engine lubricant is of synthetic technology. Synthetic technology lubricants have become more successful due to their high performance at a marginally increased cost than the mineral range. They are products of highly reliable, tried-and-tested formulations and leading-edge technologies suitable for modern engines such as those equipped with exhaust gas after-treatment systems. They are specially formulated to provide better fuel economy, high protection in all weather

conditions, and long-lasting performance. Additionally, Eni offers specialised products such as transmission oils, greases and coolants to meet specific application requirements. Major mining OEMs also approve our products.

## What steps do you take to ensure that your industrial oils and lubricants comply with stringent industry standards and regulations?

**Quality Control:** We implement rigorous quality control processes throughout the production and distribution chain.

**Certifications:** Our products undergo quality clearance from our NABL-accredited laboratory.

**Oil Sample Analysis:** Our lab supports our customers' preventive maintenance efforts. By analysing oil samples, we offer valuable insights into the condition of equipment and lubricants.

**Compliance with Regulatory Bodies:** We closely monitor and adhere to the guidelines set forth by relevant regulatory authorities governing the industry.

**Research and Development:** We invest in ongoing research and development efforts to stay at the forefront of technological advancements and industry best practices.

**Customer Support and Feedback:** We value feedback from our customers and





end-users. Regularly engaging with them helps us understand their specific needs and concerns, enabling us to improve our products and services to better align with industry standards.

Through these measures, we are committed to delivering industrial oils and lubricants that meet the highest industry standards and contribute to the safety and efficiency of the industries we serve.

**Can you discuss your initiatives toward developing eco-friendly industrial oils and lubricants?**

Green Product Development: Apar invests significantly in research and

development to create innovative, Environment friendly formulations for industrial oils and lubricants. Our product range includes Environment friendly Hydraulic Oils that are fire-resistant and long-draining.

**Renewable and Biobased**

**Resources:** We actively explore and integrate renewable resources into our product lines. Currently, 40 percent of the plant's energy requirements are fulfilled through solar energy.

We aim to reduce our dependence on non-renewable resources and decrease the overall carbon footprint of our products. Our Diverse product range includes Biogas Engine oils for stationary gas engines. With our bio-gas engine oils, we aim to support and promote cleaner and more efficient energy alternatives.

**Energy Efficiency:** Our energy-efficient range of oils has a proven track record of 2–3 percent power savings. These advanced lubricants lead to significant



energy savings and enhance the overall lifespan and performance of machines and components.

**What are some of the certifications that add credibility to your manufacturing plant?**

We are a technology-driven, customer-focused group of professionals firmly believing in our company's "Tomorrow's solutions today" vision. Apar's manufacturing facilities are accredited with ISO 9001, ISO 14001, ISO/IEC 17025, OHSAS 18001, TS 16949:2009, and REACH Registration Quality Management Systems. ■