



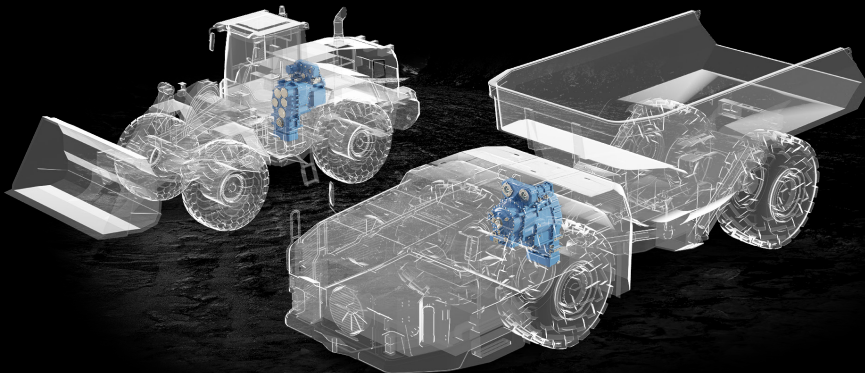
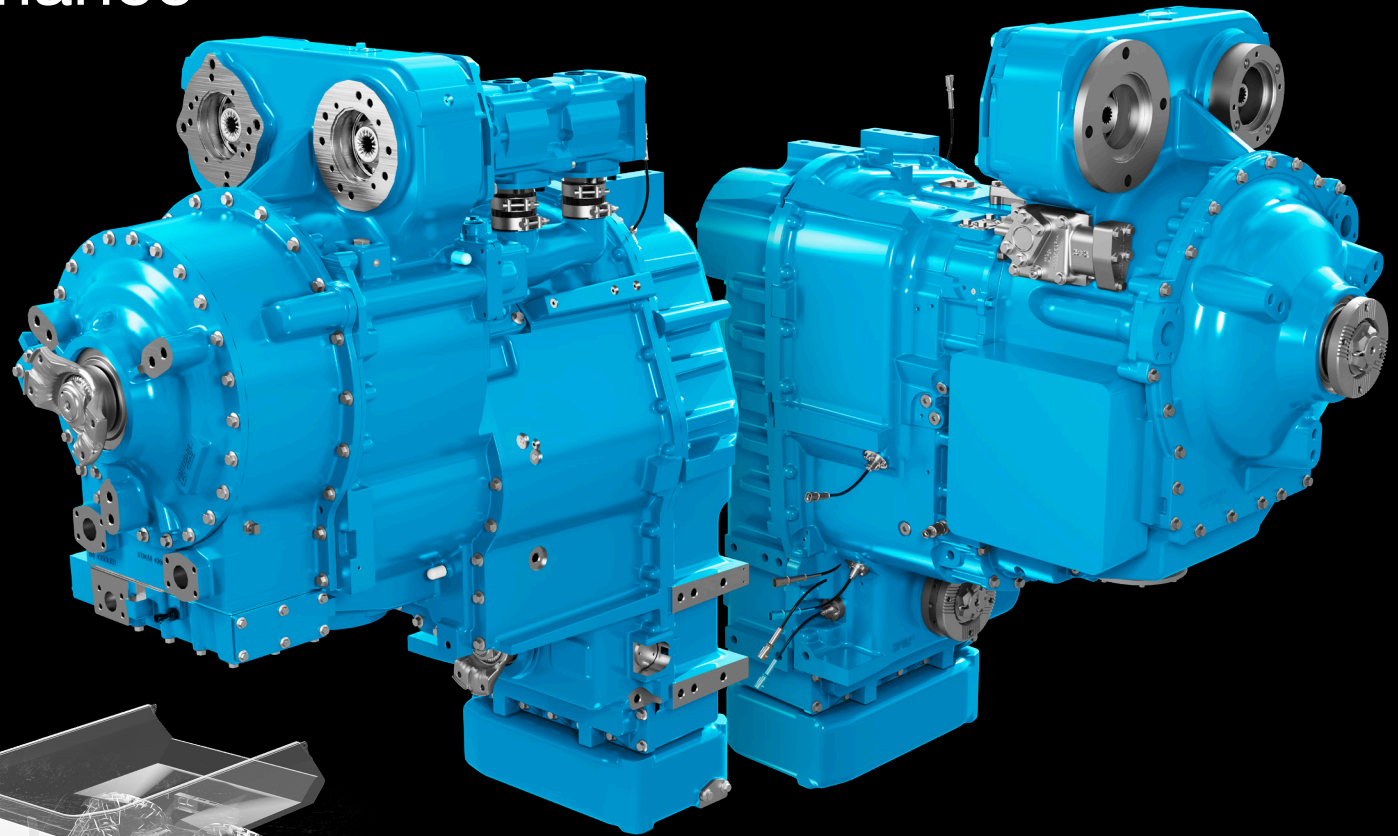
SPICER®

Drivetrain Systems

TE50

Advanced transmission for heavy-duty applications.

Inside performance

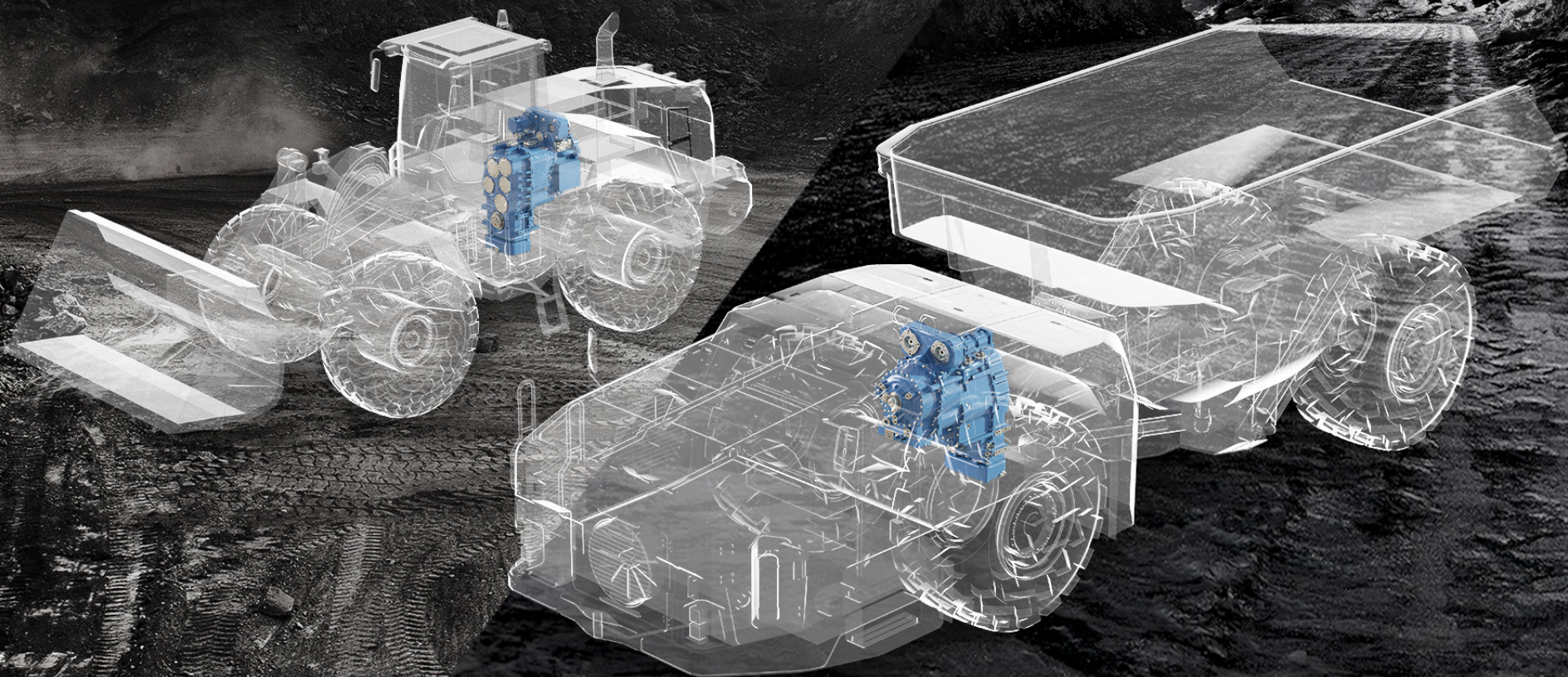


TE50

Built with the toughest off-highway applications in mind, the TE50 is a heavy-duty, hydrodynamic transmission engineered specifically for mining trucks, load haul dumpers and wheel loaders.

Key benefits include:

- Improved fuel efficiency and smoother shifting
- More precise vehicle handling and optimized braking
- Greater operating comfort and improved safety
- Reduced maintenance requirements, less downtime



Feel the Power

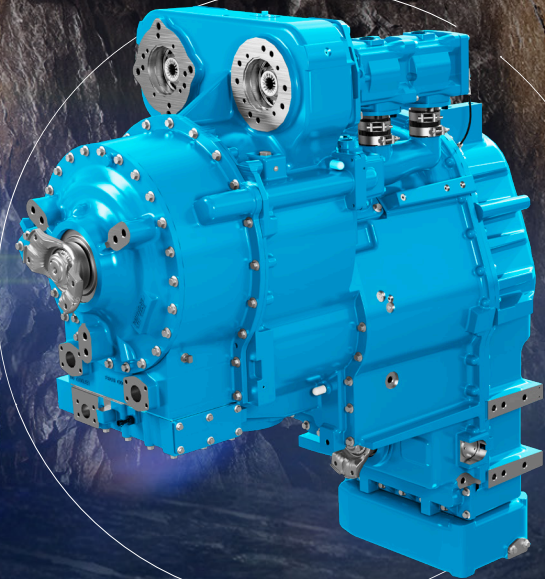
Handle the harshest underground mining conditions confidently

8 forward, 8 reverse gears
600kW driving power, integrated retarder

Input torque capacity
5000 Nm

8 forward
8 reverse gears

Mining truck up to
600kW and similar
HD applications



- Max input 2400 rpm
- Drop 686 mm (27")
- Flanges : 9C, T-180 (cross serrated)
- Optional retarder with 425kW capacity

Get the most from your investment

High efficiency design reduces fuel consumption and enhances equipment lifecycle.

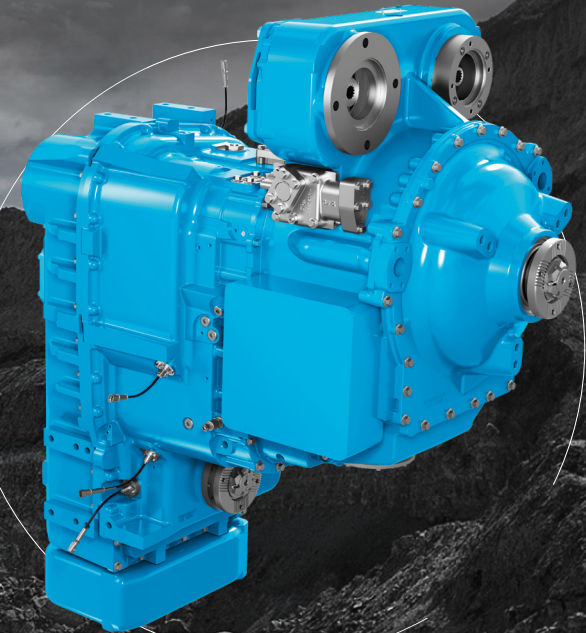
Reduced
maintenance

Highest
safety

Increased
productivity

Greater
Comfort

Increased
equipment life



The TE50 is the new reference for high power loaders featuring 4 forward / 4 reverse gears equipped with the highly efficient aluminium torque converter with integrated lockup. Featuring improved shifting comfort and improved component life in combination with superior fuel economy. High capacity power

take offs to answer highest demands. Automatic shifting, advanced automatic lockup action functions are available. The automatic functions together with the electronically controlled clutch actuation, offer the driver superior comfort and maximum safety.

Trust the Control

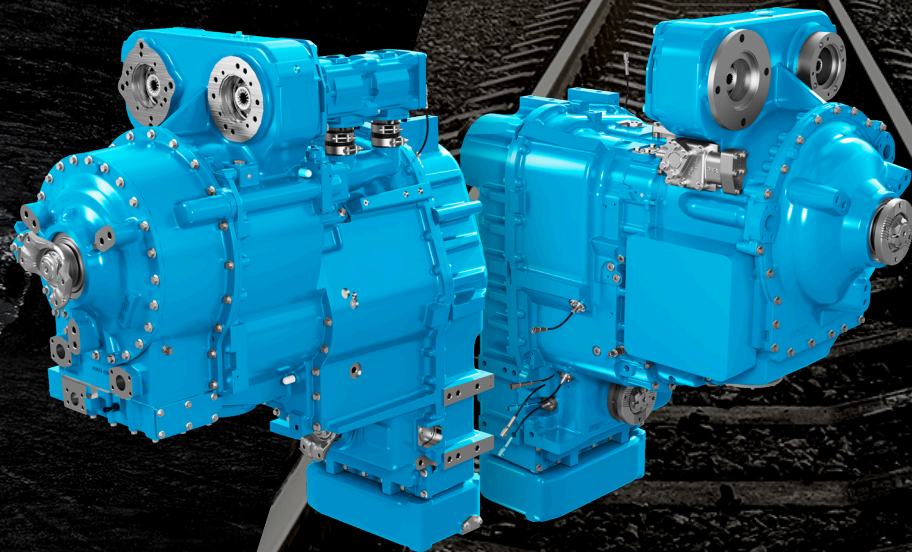
Let the APC 300 controller take care of your performance

Fully electronic controlled clutches and retarder



- Controller handling all clutch fillings and protection, can be used as master or slave
- Vehicle functions available
- Communication via CAN is foreseen to engine and vehicle controller
- Autoshift : speed based or load based
- Controlled modulation and inching
- Communication with engine or central vehicle controller via CAN

- Downshift protection
- Overspeeding upshifts
- Direction change protection
- Converter out temp protection
- System pressure protection
- Engine start at shift lever neutral
- Operator present protection
- Neutral lock protection
- Parking brake



TE50

Inside performance

Dana.com/oh/contact

Application Policy

Capacity ratings, features, and specifications vary depending upon the model and type of service. Application approvals must be obtained from Dana; contact your representative for application approval. We reserve the right to change or modify our product specifications, configurations, or dimensions at any time without notice.



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