



GEN10

OUT OF NINE.



COMMITTED TO THE LONG HAUL

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It's not just looks that matter - it's what you can do that counts. And you can count on our new Generation 10 haulers to take productivity, performance and uptime to new levels.



FEEL THE POWER



If you like your productivity high and your cost of ownership low then our Generation 10 haulers are your perfect match. Sit back in the new comfortable environment knowing that more than 65 years of specialised truck manufacturing experience has brought you the ultimate hauling machine.

The Generation 10 series brings with it powerful performance upgrades, an enhanced cab environment and sophisticated operating systems to help make your trucks work harder for longer on the job.

COMMITTED TO THE LONG HAUL

OPERATOR ENVIRONMENT

THE NEW CAB LAYOUT OF THE GENERATION 10 HAULERS IS SPACIOUS AND ERGONOMIC, WITH EVERY CONSIDERATION GIVEN TO OPERATOR COMFORT, SAFETY AND PRODUCTIVE OPERATION.

It's time to sit back and enjoy the ride. No matter what the weather's like outside, our new HVAC system will keep you comfortable. It rapidly regulates the cab temperature - perfect when working in extreme conditions.

With improved airflow and reduced cab noise, the Generation 10 series makes the operator more comfortable and helps reduce fatigue.

And, with access to on-board diagnostics and real time data including fuel consumption, your operator will not only be alert but be able to make qualified, on-the-job decisions faster, reducing the possibility of down time.

Other refinements include :

- Improved sealing and pressurised cab limits risk of environmental ingress such as heat, moisture and dirt for an improved operator experience
- Wider, pivoting steps and service platforms for easier and safer access



THE HOOD

IF YOU'RE WORKING IN HARSH, UNFORGIVING TERRAIN, THEN YOU WANT TO BE CONFIDENT YOUR MACHINE CAN TAKE THE PRESSURE. SO, TO PROTECT BOTH THE ENGINE AND OPERATOR, WE'VE DESIGNED A NEW HOOD CAPABLE OF WITHSTANDING THE RIGOUR OF EVERYDAY DEMANDS.

The new Generation 10 hood has more strength and flexibility and is designed to lower and secure in a way that reduces stress throughout the structure. And the changes don't stop there. We recognise that trucks can be working day and night, so we've responded by designing headlamp pods with more powerful illumination. These not only improve site visibility during the dark hours but are easily serviced without raising the hood.

The electrically activated and hydraulically lifted hood also provides convenient access to all engine service points, making routine maintenance a one-man operation and these changes meaning less manpower is needed and trucks are back working faster.





OUR TRUCKS REDUCE THE SHOCK FACTOR, THANKS TO CLEVERLY DESIGNED SUSPENSION SYSTEMS WHICH IMPROVE OPERATOR COMFORT AND MINIMISES MACHINE STRESS.

The Generation 10 series of models provide:

- Strong and stable platforms
- Superior ride and operator comfort
- Improved operator productivity and reduced fatigue
- Excellent structural integrity
- Higher levels of productivity

TA300

In addition to the benefits above, the Generation 10 TA300 also boasts fully independent front suspension and wheel movement, provided by our double wishbone design. This arrangement delivers the ultimate in ride comfort, even on the roughest terrain and contributes to further reductions in shock impact on the machine structure, making for longer operating cycles. Greater levels of productivity are promoted due to greater levels of tyre-ground contact for increased traction that will deliver higher levels of momentum on adverse conditions.



SUSPENSION



Pictured Left : TA400 Engine

Pictured Below : TA300 Engine



ENGINE

EXPERIENCE THE GENERATION 10 DIFFERENCE. OUR TRUCKS ARE FITTED WITH LEAN BURNING ENGINES THAT DELIVER LOW COST OF OPERATION. THE IMPROVED TURBO DESIGN (VARIABLE GEOMETRY TURBO) REMOVES TURBO DELAY AND PROVIDES INSTANT ENGINE POWER RESPONSE FOR HIGHER LEVELS OF MACHINE MOMENTUM AND PRODUCTIVITY. EU STAGE IV, US TIER-4 FINAL AND TIER 2 COMPLIANCE IS ALSO MET WITHOUT THE NEED FOR A DIESEL PARTICULATE FILTER (DPF) WHICH MEANS LOWER SERVICE COSTS AND REDUCED FUEL BURN.

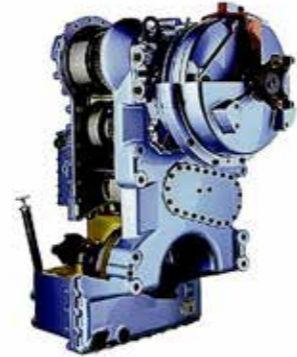
Increased productivity, enhanced performance and unarguable fuel efficiency are just part of the Terex Trucks commitment to continuous improvement.

Other engine enhancements include:

- Electronic Engine Exhaust Brake installed as standard for heightened levels of operational safety and control
- 3 stage air filtration provides increased engine protection and lengthened service intervals
- No DPF requirement - lower service costs and reduced fuel burn
- EU-Stage IV compliance with no-torque reduction programme



THE GENERATION 10 TA300 ARTICULATED DUMP TRUCK IS A PROVEN PERFORMER ACROSS DIVERSE APPLICATIONS, RANGING FROM QUARRIES TO INFRASTRUCTURE DEVELOPMENTS AND COMMERCIAL CONSTRUCTION PROJECTS. EQUIPPED WITH TRUE INDEPENDENT FRONT SUSPENSION AS STANDARD, THE NEW GENERATION TA300 PROVIDES EXCELLENT TRACTION CONTROL AND OPERATOR COMFORT, WHILE ENSURING MAXIMUM PRODUCTIVITY.



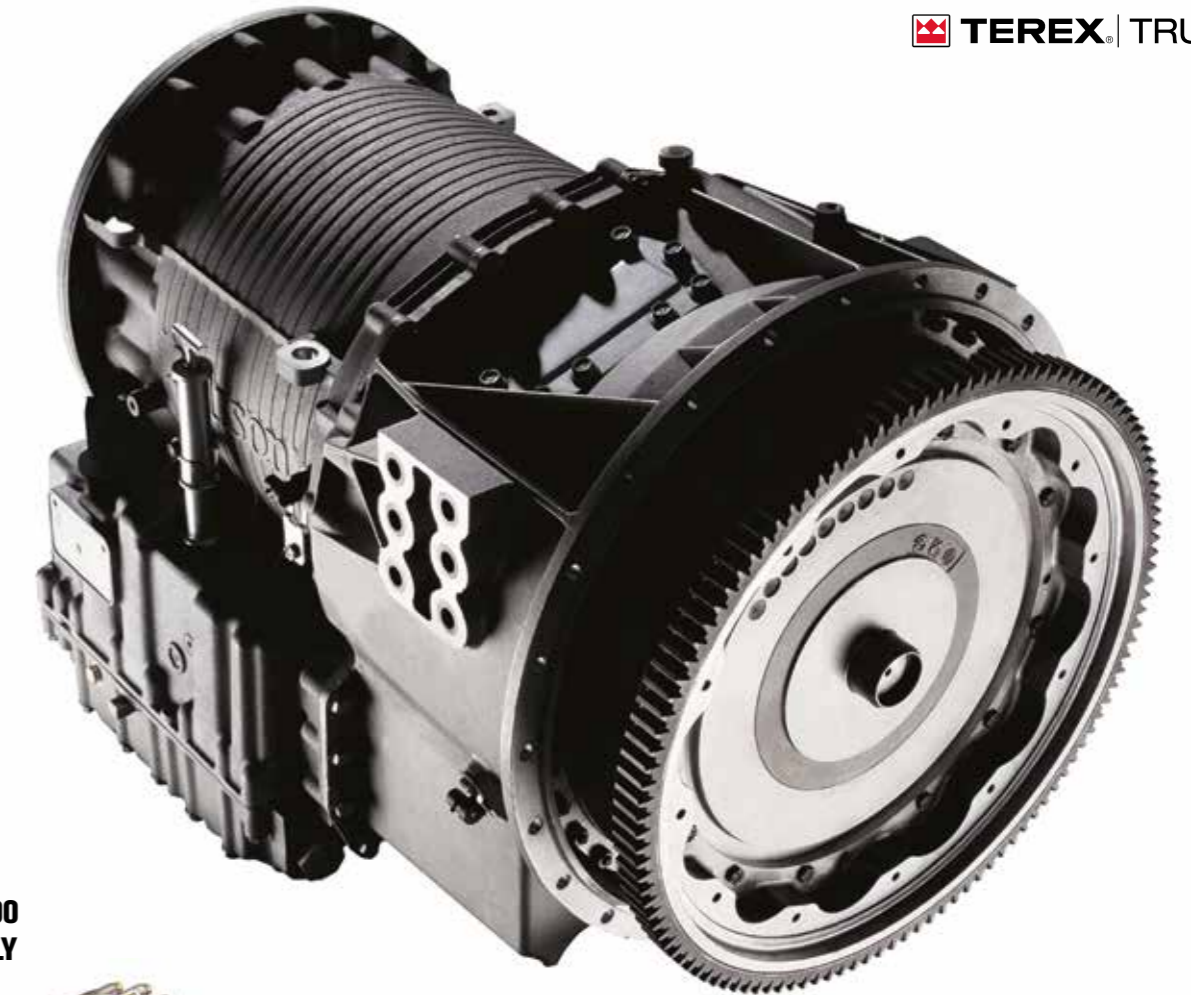
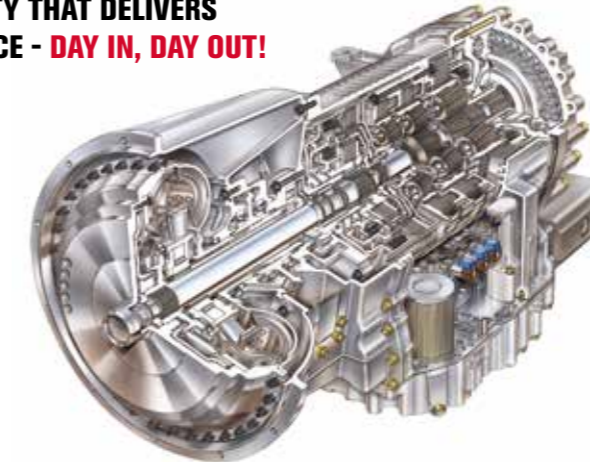
GENERATION
10

TA300 ◀ ▶ TA400 TRANSMISSION

- Smooth shifting, high performance counter-shaft type transmission.
- Fully automatic with manual over-ride
- Kick-down function – rapid downshift / gear hold, for operation on steep inclines or arduous conditions
- Standard hydraulic retarder for safer, productive control
- On-board diagnostics for enhanced on-board operational feedback
- Improved cycle times



COMBINE OUR ADAPTIVE SHIFT CONTROL WITH OUR RECOMMENDED **LONG LIFE TRANSMISSION OIL** (OVER 6000 HOURS BETWEEN CHANGES) AND YOU HAVE CONSISTENTLY **SMOOTH GEAR SHIFT QUALITY THAT DELIVERS UNSURPASSED PERFORMANCE - DAY IN, DAY OUT!**



Control is everything and our 6-stage hydraulic retarder provides exactly this, enabling the TA400 to run beautifully smoothly and safely, yet achieve the highest levels of machine control and productivity, in all surface conditions.

The transmission on our Generation 10 TA400 also provides 'prognostics' in real time, enhanced on-board operational feedback and system diagnostics, which helps identify faults and wear and tear ahead of time, **reducing service intervention time and cost.**



TEREX

FOLLOWING EXHAUSTIVE APPLICATION TESTING, TEREX TRUCKS HAS NOW INTRODUCED ITS NEXT GENERATION TRANSFER (GEAR) BOX ONTO THE GENERATION 10 TA400, PROVIDING YOU WITH MORE POWERFUL OPERATING CHOICES, INCLUDING TAILORING YOUR MACHINE'S PERFORMANCE TO ALL WORKING CONDITIONS, UTILISING ADAPTIVE SHIFTING AND OUR 2 SPEED RATIOS.

The GEN10 TA400 Gets Next Generation

TRANSFER (GEAR) BOX

The Hi Ratio option permits faster ground speeds. This is particularly true in situations where less tractive control is required or where working conditions are light - low inclines and good hauling roads being good examples.

However, when the conditions are more arduous, involving steep inclines or poor ground conditions where rimpull is a priority, the Low Ratio option increases the tractive effort by up to 50% to provide you with outstanding performance.

GENERATION 10

TEREX TRUCKS HAULERS MAKE LIGHT WORK OF HEAVY DUTY TASKS, BUT A MACHINE THAT IS PUT UNDER EXTREME CONDITIONS HAS TO BE UP TO THE TASK. OUR HYDRAULIC SYSTEM KEEPS EVERYTHING RUNNING SMOOTHLY AND IS DESIGNED TO REDUCE ENVIRONMENTAL SYSTEM CONTAMINATION AND STRESS ON COMPONENTS TO HELP YOUR TRUCK RUN LONGER. JUST A SMALL PART OF OUR CONTINUOUS IMPROVEMENT POLICY!



HYDRAULIC SYSTEMS

Developments include:

- Magnetic suction filters guard against environmental contamination and reduce the risk of downstream component failure
- Improved cushioned steering cylinders for enhanced operator comfort and less stress put on components
- Improved over-pivot hose routing and retention for better performance on severe worksite conditions
- EU compliance for emergency body activation, reinforces body lowering and service intervention safety





AXLES & GEARING



TEREX TRUCKS HAULERS ARE RENOWNED FOR THEIR ROBUSTNESS. OUR GENERATION 10 SERIES GOES TO ANOTHER LEVEL. FEATURING HEAVY DUTY AXLES CAPABLE OF BEARING ENORMOUS LOADS, COMBINED WITH EFFECTIVE DRIVETRAIN GEAR REDUCTION, EXCELLENT TRACTIVE PERFORMANCE IS ACHIEVED, PARTICULARLY IN SEVERE OR POOR WORKING CONDITIONS.

Our Generation 10 haulers simply absorb these challenges. With all three axles in permanent (6 x 6) all-wheel drive, incredible traction is achieved while reducing driveline abuse and wheel spin, resulting in reduced tyre wear and fuel consumption.



Some operating differences at a glance:

	TA300	TA400
Differentials	Hydraulically actuated multiplate transverse differential-locks on the TA300 are driver controlled for 100% cross-axle lock up.	Automatic slip cross-axle differentials in each of the TA400's axles can be engaged and disengaged on the move to maintain production momentum.



CONFIDENCE COMES FROM BEING IN CONTROL. WITH FULLY ENCLOSED MULTI-PLATE, OIL COOLED SEALED BRAKES ON ALL 6 WHEELS, THE GENERATION 10 SERIES PROVIDES INCREASED OPERATOR SAFETY, UNRIVALLED STABILITY, CONTROL AND CONSISTENT PERFORMANCE IN ALL ENVIRONMENTAL CONDITIONS. USING ENGINE AND TRANSMISSION RETARDER COMBINATIONS ENABLES SAFE DOWNHILL HAULS AND REDUCED WEAR AND TEAR ON THE MACHINES' BRAKING SYSTEMS.

BRAKES

“ Generation 10 owners can look forward to longer brake lifecycles, extended periods between brake maintenance intervals and lower operating costs. ”





TELEMATICS*

NOW FITTED AS STANDARD TO ALL OUR GENERATION 10 HAULERS, OUR WEB ENABLED TELEMATICS SYSTEM PROVIDES REGISTERED USERS WITH COMPLETE VISIBILITY OF THEIR HAULER'S ROUTINE BEHAVIOUR, WITH THE CAPTURED DATA VIEWABLE ON A VARIETY OF MOBILE AND DESKTOP DEVICES, OR DOWNLOADABLE AS HARD COPY REPORTS.

Connection with the Terex Trucks telematics system will provide you with the information to protect and maximise your investment.

“ With Terex Trucks Telematics you set the rules and the system makes sure your driver lives by them. ”

The key benefits include:

Security - Know where your truck is located, where it has been and when it's on the move

Costs - Improved operator performance and reduced operating costs

Truck Health - Plan maintenance, reduce downtime and prolong component lifecycles

Productive - Maximise productivity through clear performance management information

Protection - Protect your truck against out-of-range operating parameters and misuse

TECHNOLOGY DEVICES

RELIABILITY MATTERS!

“ Our Generation 10 haulers are designed to work around the clock, year in, year out. ”



PARTS & SERVICE

TO RUN A SUCCESSFUL OPERATION, DOWNTIME HAS TO BE MINIMAL. SO, WE'VE BUILT IN SOME REALLY THOUGHTFUL MECHANISMS, SUPPORTED BY READILY AVAILABLE FACTORY-APPROVED PARTS, TO MAKE SERVICE INTERVENTIONS QUICK AND SAFE AND KEEP YOUR MACHINE WORKING.

Here's just some of our service and maintenance highlights which will keep your productivity at its peak.

- Hydraulically lifted operator's cab
- Easy access service points
- On-board diagnostic interfaces – including transmission & engine diagnostics, fuel consumption readout, TA400 prognostics
- In-cab vehicle / powertrain diagnostic & programming connections panel
- Magnetic hydraulic oil suction filters in main reservoirs
- Transmission oil life extended
- No DPF service requirement for US Tier 4 Final or EU Stage IV
- Highly experienced dealer network



www.terextrucks.com

Effective Date: June 2018. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Terex Trucks makes no other warranty, express or implied. © 2018 Terex Trucks.

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Terex Equipment Ltd

Newhouse Industrial Estate, Motherwell, ML1 5RY
Tel: +44 (0) 1698 732121 Fax : +44 (0) 1698 734046
www.terextrucks.com

