



# Articulated Dump Truck



**WORKS FOR YOU.**

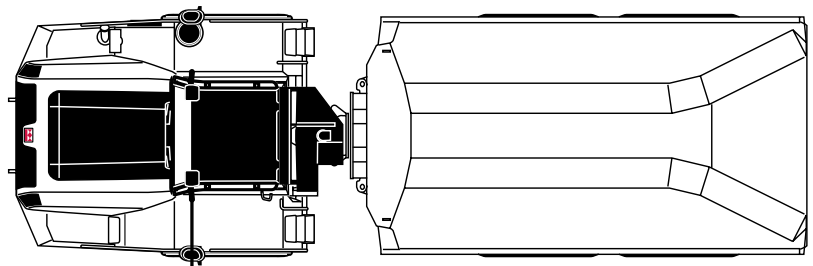
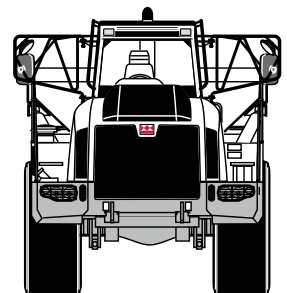
# TOUGH MADE EASY

## Experience The New Terex® TA400 Articulated Truck

The TA400 combines high torque, high horsepower, high capacity and the highest top speed in its class making easy work of the most demanding job sites in the toughest environments.

### Features:

- ▶ New and improved operator environment
- ▶ One of the most fuel efficient trucks in the field
- ▶ Rigorously tested in extreme conditions for proven power, productivity and reliability
- ▶ Competitive power to weight ratio with high horse power engine and low gross vehicle weight





# TESTED TO THE LIMIT

## TAKING QUALITY AND RELIABILITY TO A WHOLE NEW LEVEL

Our product development team rigorously tested the TA400 under extreme conditions around the world and it more than proved itself as a powerhouse for today's demanding environments. We tested the TA400 for thousands of hours at a dedicated testing facility in the Republic of South Africa, known for its extreme terrain and environmental conditions.

### Systems Tested

- ▶ **Drivetrain heat balance and lubrication was tested by traveling at continuous high speeds.**
  - ▶ *Tested systems include drivetrain, dropbox, lubrication, cooling and rotating seals*
- ▶ **Drivetrain high torque endurance was tested on ascending and descending slopes while fully loaded.**
  - ▶ *Tested systems include drivetrain, torque, transmission durability, dropbox ratio and diff-lock selection*
- ▶ **Hydraulic system full-load durability was tested by the continuous loading and dumping of material.**
  - ▶ *Tested systems include hydraulic system, main pump, and overall durability*





# Solid Productivity

## Latest in Engine Technology

- ▶ Powered by the Detroit Diesel Series 60, 855 in<sup>3</sup> engine with DDEC V electronic management system meeting Tier 3 engine emissions.
- ▶ These engines are tuned to produce high torque levels, resulting in excellent acceleration and the ability to operate in the most arduous conditions.



## Transmissions

- ▶ Fitted with the Allison HD4560 transmission with integral retarder, mounted directly to the engine
- ▶ Fully automatic transmissions with planetary gearing, electronic control with six forward and one reverse gear
- ▶ Fitted with a remote mounted 2 speed transfer gearbox taking drive from the transmission to the front and rear axles

## Braking Power

- ▶ Excellent braking thanks to the force oil cooled multi-disc pack on all three axles
- ▶ The TA400 is equipped with an engine retarder and an output transmission retarder that can be applied simultaneously and cause zero wear on the brake system.

### **State-Of-The-Art Cab**

- ▶ Reduced interior cab noise levels for an improved operator working environment
- ▶ New control positions and steering wheel for ease of operation
- ▶ Updated interior aesthetics
- ▶ Improved air conditioning for better temperature control

### **High Capacity Body Design**

- ▶ Extra tonnage per payload
- ▶ Rugged flat plate design made from impact resistant high-strength steel
- ▶ The high hinge point, dual slope tailchute and tapered sides ensure controlled release of the load
- ▶ Pivot area protected from material spills due to spill guard
- ▶ Fast dump cycle due to high oil flow and pressure within the advance hydraulic system



### **Low Cost Of Maintenance**

- ▶ 36-month, 5,000-hour Full Machine Warranty
- ▶ Ground level access to service points to an electric opening hood
- ▶ Wide platforms on both sides of the engine remove the need for a mechanic to stand on a ladder

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Effective Date: January 2010. 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 makes no other warranty, express or implied. Products and services listed may be trademarks, service marks, or trade names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. Terex is a registered trademark of Terex Corporation in the USA and many other countries. © 2010 Terex Corporation.

8800 Rostin Road, Southaven, MS 38671 USA  
1.888.90.TEREX



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