



Yale Reliant™ Advanced Stability System **ADS**

Yale Reliant is a robust technology suite designed to reinforce lift truck operating best practices and support operator awareness.

Yale Reliant **Advanced Dynamic Stability (ADS)** continuously monitors the combined center of gravity of the lift truck and the load it carries to automatically apply carefully measured performance adjustments to avoid abrupt shifts or jerks that can upset stability.

The system is governed at a maximum speed:

- Class 1 sit-down counterbalanced: 5.5 mph forks trailing and 8 mph forks leading
- Class 1 3-wheel stand: 5 mph forks trailing and leading
- Class 2/3: 5 mph forks trailing and leading

When the system is active, it will bring the vehicle to a controlled crawl speed of 1.5 mph. Utilizing speed requirements helps improve operator and pedestrian awareness while keeping the operator in control of the lift truck.

Yale Vision™ wireless monitoring level 1 is required when ordering Yale Reliant.

¹ Not all ADS features are available for all truck types; for example, hydraulic function controls will not be available on a tow tractor.

² Only applies to masts with free lift cylinder.

BENEFICIAL USE CASES



Advanced Dynamic Stability (traction & hydraulic controls¹)

ADAPTIVE SPEED CONTROLS

- Lateral stability
- Longitudinal stability
- Load anti-pitching

ADAPTIVE FORK & LOAD CONTROLS

- Lift/lower speed control system
- Lift/lower soft stops
- Tilt/reach soft stops
- Tilt speed/range control
- Overload arrest
- Soft mast transition system²
- Soft ceiling and floor

ADDITIONAL FEATURES

- Dynamically calculated max speeds and hydraulic functionality
- Controlled decelerations when cornering or making improper movements
- Display screen providing real-time information on truck performance