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First of its kind, our 7.2T Iveco Plastic bodied TM vehicle with 500kg Tail lift and LP13.

Traffic management vehicle specialist Acklea is increasing production of its plastic-bodied 7.2t commercial vehicles as demand for more lightweight, fuel-efficient, and lower-emission vehicles increases among highways and infrastructure providers.

The significantly reduced weight and recyclable body means these trucks use less diesel and are more environmentally friendly. They are also able to carry more cones, equipment, and signage than heavier traditional 7.5t metal-bodied traffic management vehicles. Now comes complete with a 500kg tail lift and LP13.

The trucks are based on the Iveco Daily 7.2t chassis, with simple, van-like driving controls and a Hi-Matic transmission. The light and fully recyclable co-polymer plastic body is a bespoke design, which is exclusive to Acklea.

The design has been continually refined in recent years based on customer feedback from its use in operations and to take advantage of new ideas and innovations, especially around safety and efficiency. More than 100 of these vehicles have already been built and delivered to customers.

Acklea has reviewed its build process and supply chain to increase production, enabling it to meet growing customer demand for vehicles with lower fuel consumption and reduced CO2 and NOx emissions.

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The modular design and use of durable, recyclable copolymer plastic, created by Strong's Plastic Products Ltd, enable the bodies to be reused with a new chassis and cab. This increases the vehicle lifespan by giving the reusable parts a second or even potentially third life and enables the vehicles to take advantage of new chassis technology. This modular design can reduce whole life costs by up to 30%.

The material is lightweight, low maintenance, zero corrosion, heat- and chemical-resistant and impact-resistant.



The tail lift vehicle was designed for both high speed and low speed roads, customers have been asking Acklea to develop this concept as traditional 3.5T dropsides have limited payload. This offers great flexibility in that it can be used as a cone installation vehicle or for the delivery of traffic lights, cones and barriers. The equipment now required for low-speed works is just too much for one vehicle. Acklea are building 20 of these for the Enterprise Flex E Rent fleet for short or long term rental.

TM Body

- Plastic Traffic Management Body mounted on to a galvanised sub frame.
- 5450mm long x 2,200mm wide fitted with a combination of fixed & folding dropsides and galvanised fall protection rails.
- Non slip coated floor

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- Aluminum Drop side & galvanised removable handrails to front.
- Front load restraining push poles x 2
- 8 x lashing rings fitted to floor.
- Aluminum fixed side & fixed galvanised handrails to rear.
- Two-part rear sign storage rack with drop side & single retaining bar to each side.
- Cab high headboard with raised beacon mounting bracket
- Trombone sliding side and fall protection rails to each side giving access to: -
- 500kg Tail lift with manual safety gates. With warning to cab when not stowed.

Foot wells

- Foot wells to both n/s & o/s to include.
- Yellow grab handles.
- Internal fold down yellow step.
- Emergency stop button.
- Adjustable height push pole.
- Dropdown entry step into foot well with proximity switches & alarm warning buzzer in cab.
- Plastic Mesh foot well floor.
- Removable Plastic Mesh foot well cover.

Side Lockers & Storage

- Two lockable storage lockers to o/s.
- One lockable storage locker to n/s.
- Fuse box locker to n/s.
- Two tilting sandbag storage bins with slam locking bolts rear of axle each side

Warning Beacons & Lighting

- Beacon bar 1,200mm fitted to raised bracket on headboard.
- Front grille mounted amber LED flashing lamps.
- Rear facing amber LED flashing lamps.
- Rear LED beacon fitted to both n/s & o/s rear of tail lift.

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- Pair of LED work lamps mounted to headboard.
- 2 Pair of LED work lamps mounted to Tail lift. Forward facing and rearward facing.
- Locker & tilting storage LED Lights.
- LED Foot well lights.
- LED fold down step lights.
- LED outline marker lamps
- Ancillary equipment, switches clearly labelled & inline of vision.
- Cambus control panel in cab.

All Beacons & warning lights ECE R65 Compliant

Chapter 8 Markings & Vehicle Conspicuity Markings

- Chapter 8 chevron markings to rear, comprising alternate strips of Red retro reflective and fluorescent yellow non reflective material 150mm wide inclined at 45 to 60 degrees to the horizontal and pointing upwards.
- Red retro-reflective tape fitted to all rear facing edges of open doors, sand boxes & guard rails.
- Diamond grade amber stripe along full length of vehicle

“Highway Maintenance” board fitted to rear

LP13 Light Arrow Board

Advance Warning to “Pass Left”, “Pass Right” or “Hard-shoulder Works”

- 13 amber LED lamps forming a mini light arrow (left or right) and a 4-hold hazard warning.(hard shoulder works)
- Lamps fitted on a grey backing board.
- Automatic day & night adaptation of light intensity.
- Easy to use cab fitted remote control.
- High grade micro processor controlled electronics.
- Visible over a long-distance allowing motorists enough time to move away from the blocked lane.
- LP13 fitted to 2 part swing round framework to give access to loading of tail lift.

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Reversing Safety

- White noise reverse warning buzzer with night silent switch.
- Mirror type single reversing camera system.

Body construction, lighting and markings to comply with Chapter 8 and Construction & Use Regulations, complete with IVA Certification.