

SINGLE AXLE DUMP TRUCK COMPONENT STANDARDIZATION IN PENNDOT

Ronald D. Doemland
Pennsylvania Department of Transportation

SUMMARY

1. Air dryer - Midland AD-9 Air Dryer. One element fits all dump trucks and improved serviceability.

2. Alternator - Delco Remy 30 SI Alternator. Improves inter-changeability and rebuild exchange to support the field maintenance units.

3. Engines - IHC = DT466, MACK = E7250, CAT = 3116ATAAC, CUMMINS - 8.3L C Series, FORD = FD1460, DETROIT DIESEL = 50 Series, WHITE = GMC-VE-7-250B.

4. Hoist Assembly and Hydraulic System - Commercial SD63CB-78, Custom DAT63-78.

5. Mirrors - Delbar heated mirror. One mirror head fits all applications and wiring compatibility. Also centrally stocked to support the field maintenance units.

6. Revolving Lights - Federal. Allows for interchangeability of complete lights, lens and bulbs. Also centrally stocked to support maintenance units.

7. Seats - Bostrom 915, National 195, DuraForm Air Command.

8. Starter - Delco Remy 42MT. Improves interchangeability and rebuild exchange to support the field maintenance units.

9. Tires - Goodyear and Michelin radials. Specified on all new trucks to improve extended tire wear, driveability and ride.

10. Transmission - Fuller 9 Speed, Allison MT653 or MD-3560P.

11. Wheels - Standardized for size only, 9.0" Front, 8.25" Rear.

12. Wiring System - Truck Lite or Grote. Both totally sealed systems, eliminating corrosion and reduced repair costs. All lights interchangeable.