

DETROIT DIESEL
DEMAND PERFORMANCE™

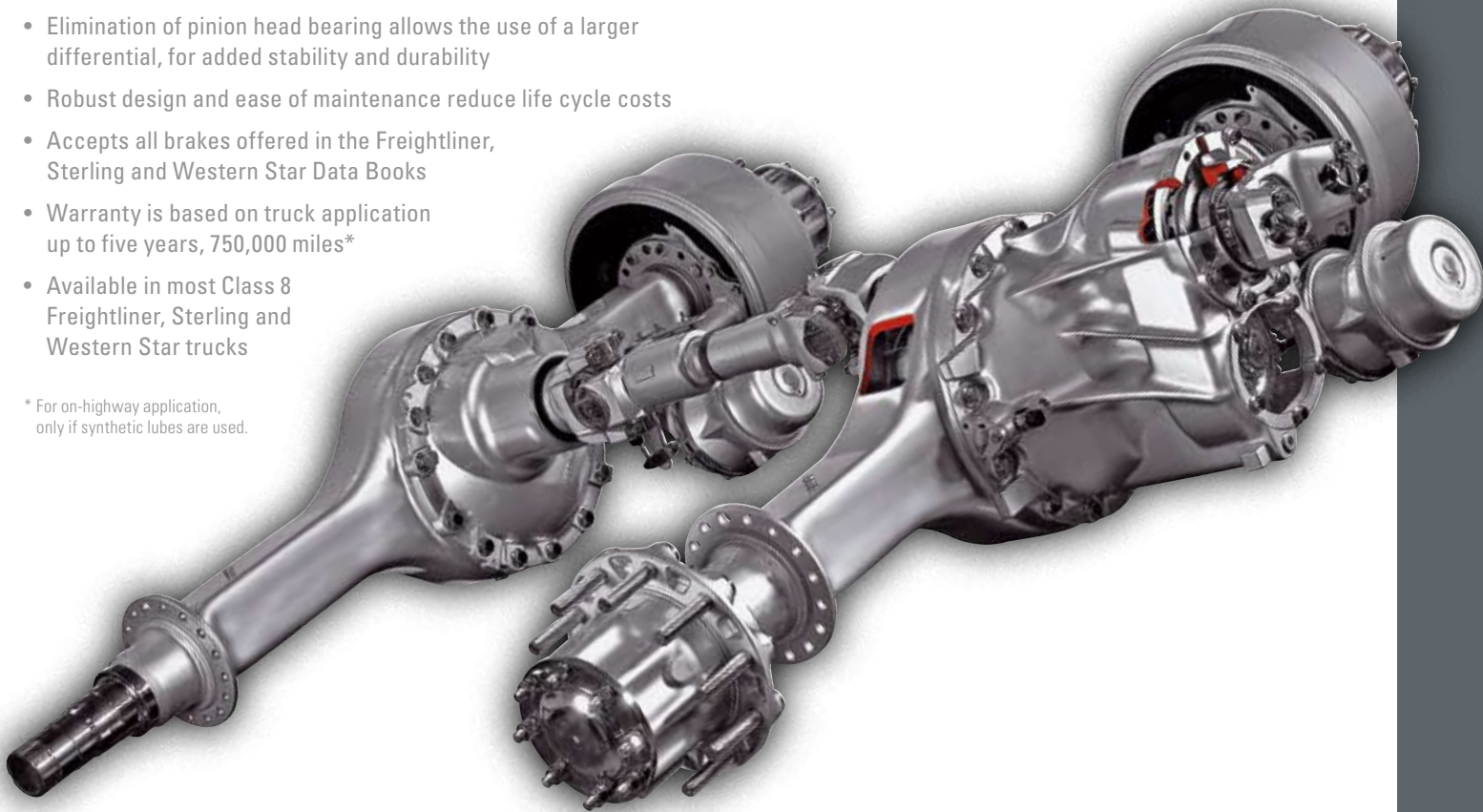
TANDEM AXLES Weight Ratings 34,000-44,000 lb.

Innovative, state-of-the-art engineering gives these axles market-leading performance and value. Here are some of the benefits.

Dependability that Keeps You on the Road

- The above-center-pinion position of the rear-rear axle results in improved driveline angle and a significant reduction of driveline vibrations
- A larger power divider delivers improved stability and reliability
- Precision ground gear sets provide a quieter and smoother operation, while allowing higher torque applications
- Elimination of pinion head bearing allows the use of a larger differential, for added stability and durability
- Robust design and ease of maintenance reduce life cycle costs
- Accepts all brakes offered in the Freightliner, Sterling and Western Star Data Books
- Warranty is based on truck application up to five years, 750,000 miles*
- Available in most Class 8 Freightliner, Sterling and Western Star trucks

* For on-highway application, only if synthetic lubes are used.



TANDEM AXLES

By eliminating the pinion head bearing, Detroit Diesel's proprietary tandem axles allow more space for a larger and stronger differential. We've also added a patent pending oil deflector to fully lubricate the power divider, and positioned the pinion gear above-center to reduce driveline vibrations. With advanced engineering like this, you can't help but notice increased longevity and lower maintenance costs.



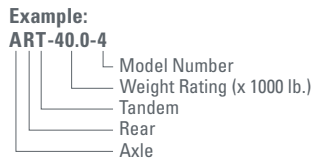
The differential case is half integrated in the ground wheel. Elimination of a pinion head bearing allows the use of a larger differential.



The oil deflector** ensures full lubrication of the power divider at very low vehicle speeds. Therefore, an oil pump is necessary only for special applications.

** Patent pending.

UNDERSTANDING A MODEL CODE



Weight Ratings: ART-34.0-4, ART-40.0-4, ART-44.0-4

Tandem Axle Specifications

Model Code	Data Book Code	Capacity lb. (kg)	Weight lb. (kg)	Ring Gear Size in. (mm)	Oil Capacity qt. (l)	Maximum Torque lb-ft	Available Ratios
ART-34.0-4	420-1GP	34,000 (15,420)	1301 (590)	15.35 (390)	16 (15) 12 (11)	Up to 1850 ¹	2.615 2.846 3.077
ART-40.0-4	420-1GR/ 420-1JH	40,000 (18,141)	1301 (590)	15.35 (390)	16 (15) 12 (11)	Up to 1850 ¹	3.231 3.308 3.417 3.583 3.727
ART-44.0-4	420-1GT	44,000 (19,955)	1360 (617)	15.35 (390)	16 (15) 12 (11)	Up to 1850 ¹	3.909 4.300 4.778

¹ For line-haul applications; 1650 lb-ft for all other vocations.



For more information, call 1-800-445-1980. www.DetroitDiesel.com

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