

*Driving Toward A Cleaner World.*

**RUAN**





### Engine Technology and Design

Ruan continually works with engine manufacturers to develop longer-lasting, lower-emitting engines with improved performance and lower fuel consumption.



### Lightweight Equipment and Aerodynamics

The base tractor specification used by Ruan matches the EPA's recommended tractor for best fuel consumption.



### Driver Training and Electronic Logging Devices

Because our professional drivers have the largest impact on vehicle maintenance and fuel consumption, Ruan places tremendous emphasis on driver training. And our trucks are equipped with PeopleNet electronic logging devices, which monitor mpg, over RPM, hard braking and over speed, as well as hours-of-service compliance.



### Reducing Highway Speeds

At increased highway speeds, roughly 60 percent of consumed fuel is used to overcome air resistance on the vehicle. Ruan has implemented a company-wide policy of governing all tractors at 60 or 65 mph on highways.



### Low Viscosity Lubricants

Ruan has a long history of utilizing advanced and emerging additive blends and has used low viscosity synthetic lubricants for more than 25 years.



### Auxiliary Power Unit Usage and Idle Reduction

Ruan equips our sleeper vehicles with auxiliary power units that allow drivers to heat or cool their units during rest stops or down times without needing to idle the engine. All tractors have an automatic engine shutdown after a two-minute idling period.



### Solvents and Materials

Whenever possible in our maintenance operations, Ruan utilizes low environmental impact solvents and cleaners, and we properly dispose of, or recycle, all used materials.



### Paperless Technology

Ruan has made a concerted effort to develop and implement paperless technologies. Technologies such as our proprietary RedTrak system, PeopleNet electronic logging devices, our intranet and Track & Trace have helped reduce our reliance on paper and increase our company-wide efficiency and productivity.



### Reduce, Reuse and Recycling Initiatives

Ruan facilities and the corporate office place a high priority on the reduction, reuse and recycling of all materials. Through policy changes and the use of various technologies, Ruan has experienced a 99 percent reduction in the use of paper to communicate among field and corporate offices since 2007.



### Advanced Tire and Shifting Specifications

Active/passive shifting and auto-inflation trailer tires save on road repair costs and fuel economy.



### Compressed Natural Gas

Ruan is operating more than 100 compressed natural gas (CNG) trucks for retail, manufacturing, dry bulk, dairy and grocery customers across the country, accumulating 30 million miles of experience using CNG powered Class 8 tractors. Ruan continues to support the use of CNG and regularly evaluates the savings and environmental benefits CNG can offer customers. Most new business or contract renewal quotes, as long as it makes economic and logistical sense, are quoted using both conventional diesel trucks and CNG trucks.

## Benefits of CNG

CNG has become popular in the transportation industry because of its low cost and low price volatility. Heavy-duty carriers are using CNG trucks for regional hauls or in areas with developed station infrastructure. Refueling infrastructure is continuing to expand, and CNG powered vehicles are expected to slowly continue market share growth. The environmental benefits of natural gas are also compelling for carriers and their customers. Carriers that are able to switch to natural gas can help their customers meet sustainability goals while potentially lowering their transportation spend.

