

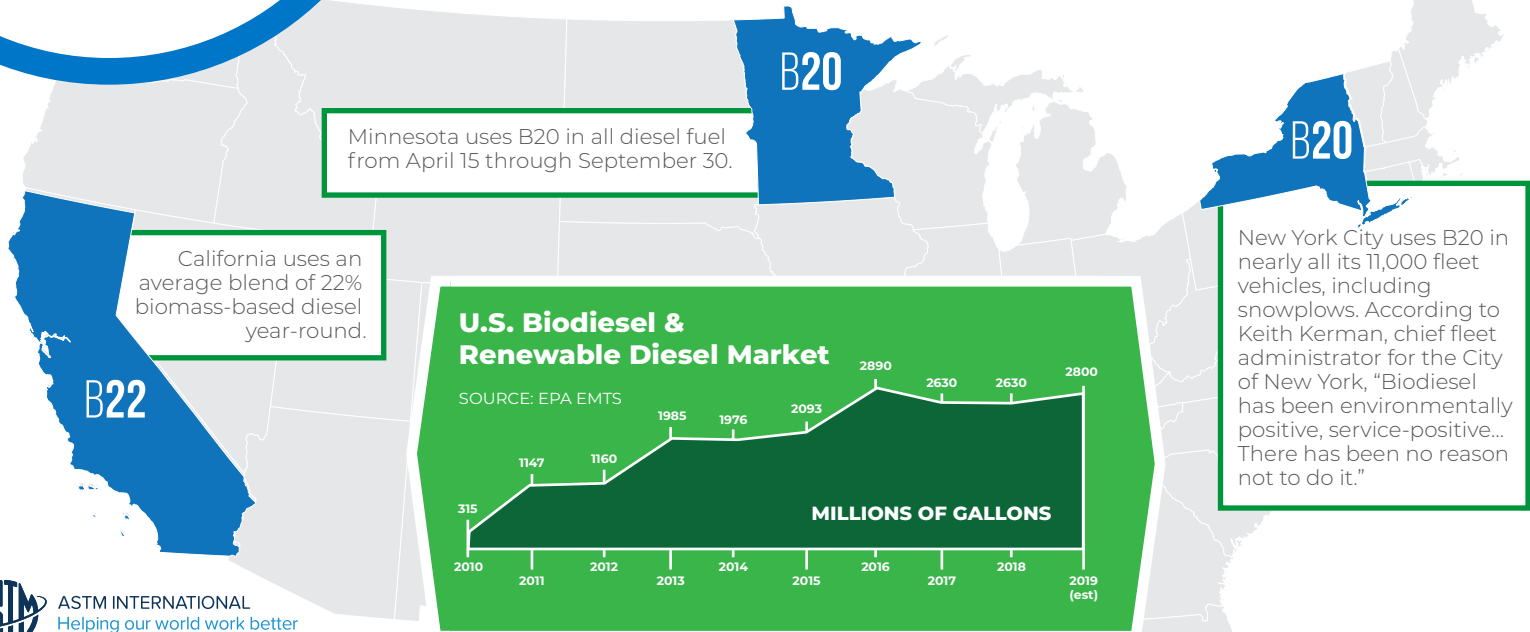


HIGH PERFORMANCE BENEFITS

Biodiesel has a higher cetane rating and improved lubricity, which help prolong engine life. It also burns cleaner, reduces harmful emissions, and helps eliminate injector and fuel system deposits, which can extend maintenance intervals.

WIDESPREAD ADOPTION

Biodiesel production and consumption have steadily grown over the past decade. In 2019, consumers used more than 2.8 billion gallons of biomass-based diesel nationwide.



HIGH STANDARDS

Biodiesel must be produced to strict ASTM International fuel specifications to be legally sold in the United States. These specifications ensure proper performance in all engines and equipment in the marketplace. Biodiesel specifications include ASTM D975 for blends up to B5, ASTM D7467 for B6-B20 blends, and ASTM D6751 for B100.

BIODIESEL & WARRANTIES

The vast majority of OEMs support use of biodiesel blends up to 20%. For those that do not, warranties cannot be voided or impacted in any way by use of biodiesel, due to existing federal law (Magnuson-Moss Warrant Act, P.L. 93-637).



WIDESPREAD SUPPORT FOR BIODIESEL

Nearly all medium- and heavy-duty original equipment manufacturers (OEMs) support using biodiesel blends of 20% or more in the vehicles they produce.



ABOUT BIODIESEL AND RENEWABLE DIESEL

- Made from plant-based oils, used cooking oils, and animal fats
- Clean-burning ultra-low carbon
- Can be used in any diesel engine without modification
- Commercially available nationwide
- Today's solution for heavy-duty trucking, emergency vehicles, bus fleets, and farm equipment

Sources: U.S. Environmental Protection Agency Moderated Transaction System; U.S. Energy Information Administration, Biodiesel Consumption Estimates, 2018; National Biodiesel Board, OEM Support Summary, 2019.