

Using Donaldson Fuel Filters with Biodiesel



Donaldson fuel filtration products are compatible with OEM approved grades (ASTM D 6571 or EN 14214) of Biodiesel and ULSD fuels.

Overview

Biodiesel is an alternative fuel that is rapidly growing in use. However, biodiesel received a bad reputation after the problems that occurred in 2005 when some states mandated the use of B2 biodiesel blend. One of the problems was a very short fuel filter life. Further research revealed that the problems encountered were due to the use of biodiesel that did not meet ASTM D 6751 specifications. The use of biodiesel that does not meet these specifications may cause problems within a fuel system.

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Using High Blends of Biodiesel

Filters that are used in special applications using high blends of biodiesel, and those near B100 or unblended B100, should use solvent resistant sealing materials. Continued use of standard sealing materials, commonly found on popular fuel filters, could result in deterioration or swelling of the material, which may cause leaks.

Avoid Filter Plugging

Filter plugging problems can be prevented by effectively cleaning storage tanks and filtering bulk fuels before storage. Filter plugging can also be minimized by using low blends of biodiesel and/or ensuring the biodiesel that you are using is from a quality source meeting the ASTM D 6751/ EN 14214 specifications. BQ-9000® is a quality certification for biodiesel suppliers who provide quality biodiesel meeting the specification in the U.S. & Canada.

Definitions

Biodiesel, n. - a fuel comprised of mono-alkyl esters of long chain fatty acids derived from vegetable oils or animal fats, designated B100, and meeting the requirements of ASTM D 6751 or EN 14214.

Biodiesel blend, n. - a blend of biodiesel meeting ASTM D 6751/EN 14214 with petroleum-based diesel fuel designated BXX, where XX is the volume percent of biodiesel.

More information on ULSD or Biodiesel can be found at www.biodiesel.org

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Donaldson®

Donaldson Company, Inc.
US Toll free: 866-759-4015
Phone: 952-887-3699
www.shoptalk.donaldson.com