

Use of Biodiesel Fuel in Beta Marine diesel engines

Biodiesel fuel can be used in Beta Marine diesel engines. However, the following conditions apply:

- 1) It can be only used in mixture of up to 5% Biodiesel fuel in mineral oil diesel fuel, within the warranty period.
- 2) The Biodiesel fuel must meet EN14214, and when blended with mineral oil diesel fuel it meets the EN590 standard. The final product B5 must also comply with EN590.

Also please note the following:

- 1) Keep fuel tank as full as possible at all times to prevent moisture from collecting inside. Tighten fuel tank cap securely to prevent water from entering.
- 2) Check engine oil sump level daily prior to starting.
- 3) The use of Biodiesel may cause premature failures including fuel filter plugging and fuel pump deterioration, the use of an electric fuel lift pump is recommended.
- 4) Under cold weather conditions plugging of line or fuel systems, hard starting and other unknown failures may be caused.
- 5) Biodiesel is an excellent medium for microbial contamination and growth. Microbial contamination and growth can cause corrosion in the fuel system and premature plugging of the fuel filter.
- 6) Biodiesel should not be left in engines stored for more than three months because it does not have long term stability. Before storage, engines should be flushed by running conventional diesel fuel for at least 30 minutes.
- 7) Biodiesel fuels attract moisture and may contain higher water content than conventional diesel fuels. More often maintenance and clean up of fuel system will be required and fuel line may be required to replace in a shorter period than conventional fuel use.
- 8) If Biodiesel fuel is spilled onto painted surfaces, it should be wiped up immediately as it may damage the paint.