Explosion Protection

BOATS WITH INBOARD GASOLINE ENGINES HAVE AN INCREASED POTENTIAL FOR AN EXPLOSION

Increased risk with gasoline

Gasoline fumes / vapours may linger and build up in confined spaces of a vessel with an inboard engine even after ventilation blowers are operated for the four-minute minimum. These fumes / vapours are flammable and, in the presence of a heat source, may ignite.

Ignition protection: simple solution

Ignition protection uses a screening device to prevent spark(s) within the unit from escaping to the outside environment where fumes / vapours may have accumulated.

Automotive versus marine

Automotive parts may work in your engine but they are not the same as marine engine parts. Automotive parts do NOT provide protection from spark(s) and may cause an explosion.

Construction standards

All electrical components must be ignition protected. These include starters, alternators, distributors, solenoids, blowers, bilge pumps and any motor or device that would have access to a fuel source or fumes. This is described in the Canadian Construction Standards for Small Vessels (TP1332).

Protecting your family

Protect yourself and your family from a boat explosion by ensuring that the electrical components on your gasoline engine are ignition protected.

Bilge Pump

Starter

Blower Fan

Alternator

Distributor

Transport Canada Transports Canada

www.boatingsafety.gc.ca
www.securitenautique.gc.ca

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