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AMOT is the leading manufacturer of emergency diesel engine shutdown systems, offering products under the brand names AMOT, Chalwyn, RodaDeaco, and Rigsaver.

AMOT is a wholly-owned subsidiary of Roper Technologies, Inc., a publicly-traded company.

Are Your Tanker Trucks Compliant?



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The deadline has arrived

Transport Canada has recognized the risks associated with transporting dangerous goods such as gasoline, propane, and liquefied gas in diesel engine tanker trucks. In an effort to ensure the safety of drivers, operators, and citizens, Transport Canada has amended CSA regulation B622-14 to require that diesel engine highway tank trucks or portable tanks containing dangerous goods must be equipped with an automatic engine air intake shutoff device to prevent diesel engine runaway. The device must activate automatically and remain activated until manually reset. The regulation went into full effect on January 12, 2018.

What is diesel engine runaway?

Diesel engine speed is controlled by the amount of fuel that enters the engine through its normal fuel system and the internal speed governor. When flammable vapors are present in the environment, they can enter the engine's air intake system and cause the engine to run out of control. If this situation is not immediately stopped, the engine can become an ignition source for the flammable vapors, and results can range from mechanical destruction to catastrophic explosions (OSHA Fact Sheet 3589).

Depending on the richness of the environment, a runaway diesel engine can explode in less than 60 seconds

The solution

The most effective way to shut down a runaway diesel engine is with a positive air intake shutoff valve. Simply turning off the ignition will not cut off the vapors from the air intake system, and the engine will continue to run out of control.

Roda Deaco automatic positive air shutoff valves are available in electrical or pneumatic actuation, and meet the requirements of CSA Regulation B622-14. They are designed to fit engines from major manufacturers including:

- › Peterbilt Trucks
- › Kenworth Trucks
- › International Trucks
- › Freightliner Trucks
- › Western Star Trucks

To make valve selection and installation easy, Roda Deaco has developed complete systems that have everything you need—air shutoff valve, sensors, speed switches, and accessories—all in one kit.

Local manufacturer with a global presence

Roda Deaco, part of the AMOT family of brands, is the leading manufacturer of positive air intake shutoff valves in Canada. For over 25 years, we have focused exclusively on protecting diesel engine equipment and operators around the world from the threat of engine runaway. Our support team is local because our customers are local, and they are standing by help you choose the best solution or to answer installation questions. In addition, our large inventory ensures fast, same-day delivery. Call us at (780) 465-4429.



- › Edmonton, Alberta
- › Houston, Texas
- › Bury St. Edmunds, UK
- › Hamburg, Germany
- › Shanghai, China



RB Compact Butterfly Valve



XT Butterfly Valve



RD Swing Gate Valve