



## Comprehensive Transportation Fluid Sealing Management Program – Exclusively thru VSP Technologies



Technical support, engineering analysis and cost reduction services for railcar clients throughout North America.



The **RIDE-TIGHT**® program ensures required performance and reliability of railroad tank car's fluid sealing components.

Six Sigma principles are followed to enhance the effectiveness of this comprehensive railcar fluid sealing management program.



- Enhanced reliability
- Increased performance
- Reduced total cost of ownership for fluid sealing products. Documented Cost Savings of \$11 million since 2005 for the railcar customer
- Current and on-going compliance with FRA rules, regulations and Safety Advisory 2003-01
- Easy, real time access by repair shops of client's current engineering and purchasing specifications, and assembly information and procedures via Tel: (800)334-6013



### Industry Concerns:

- Fines
- Reliability of corporate railcar fleet
- Stepped-up enforcement by Federal & State authorities
- Corporate railcar fluid sealing practices and standards lagging behind plant/industry standards



The causes of gasket leaks in transportation, refining, power generation and chemical process industries:

- 26% Wrong gasket and/or improper installation
- 23% Damaged flanges, poor flange condition
- 22% Gasket damaged during installation
- 17% Loose bolts
- 12% Flange misalignment

## Ride-Tight® a Comprehensive Fluid Sealing Management Program

Clients participating in our program receive the following support engineering and support services:

- Emergency response troubleshooting (24/7)
- Develop optimized gasket specifications
- Establish detailed purchasing & engineering specs
- Create detailed, written assembly procedures (including part number, description & assembly information) for gasket materials and assembly torques
- Web-site access for information and ordering
- On-site "Maximum Performance Bolted Joint" training
- On-going, reasonable access to VSP engineering staff
- Contract prices for gaskets supplied to client facilities
- Exact specification materials and gasket sizes supplied to client sites – VSP cross checks to ensure materials and dimensions are per client's current standards



*"Looking back, this is one of the best decisions I have ever made I was looking for a gasket supplier & found a true business partner. VSP has been a great asset for our Railcar Company by providing training at the various locations as well as helping us reduce inventory levels and gasket material waste. They have also become a preferred supplier through our Quality Supplier Program"*

**Per a leading railcar repair & cleaning company in North America**

### Are these process steps being effectively managed & optimized for your railcar fleet?

#### Specification

- Detailed engineering analysis to arrive at material recommendations, dimensional standards and torque/assembly requirements
- Set up gasket specifications for data base
- Provide for on-going control & use of specifications

#### Purchasing

- Establish detailed purchasing descriptions, part numbers & corporate contract prices
- Develop client-specific gasket order forms for repair shops
- Electronic ordering through VSP client access website

#### Fabrication & Supply

- VSP as preferred gasket supplier
- Orders crosschecked against standards
- Gaskets packaged for accurate identification at repair shops per company QA controlled policy
- Eliminate dimension variations/poor workmanship/material substitution



To learn how this program can enhance the sealing reliability of your railcar fleet please contact;

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