



ELF™ Engineered Leak Free – A comprehensive Six Sigma transport focused fluid sealing management program.



Product design, specification, supply and assembly control for transport tanks, allowing maintenance free utilization of tanks from Hydro to Hydro.

- Tank containers
 - *IMO Type 1, Type 2, Type 5*
- Tank Trailers
 - *MC 407. MC 412. MC 428*

Program Benefits: Single source performance and management program for transport tank flange component system.

The program is not just about the GASKET, instead it is about using the proper gasket material, with controls in place to ensure supply chain integrity, correct and proper assembly, final control and documentation of all potential variables.

- Gasket technology designed specifically for transport tank connections & hardware
- Optimized bolting specifications
- Assembly control/training & certification of installers
- On-going technical & field support
- Increased fleet utilization
- Reduced environmental impact



Product innovation to solve industry application sealing problems



Cost benefit of Hydro to Hydro flange connection reliability

Type 1 Tank ELF™ program gaskets
 =~ \$350/Tank

Standard tank gaskets (envelope)
 =~ \$25/Tank

Upfront ELF™ program cost
 =~ \$325/Tank



Tanks prepped & loaded on average 4-6/year.
 Tank prep requires 10-25# air test/prep charge

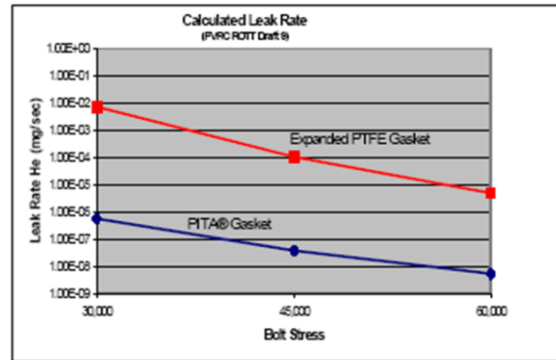
~ \$100 if tank passes leak check

~ \$500 if repairs required to pass leak check

\$400 savings per tank 4-6 times per year resulting from leak-free sealing reliability

PITA® Gasket Technology

- 100% chemically compatible same as Teflon®
- Patented, 100% PTFE with encapsulated stainless steel insert spring
- Improved sealing and cycling performance, compared to envelope and expanded PTFE gaskets



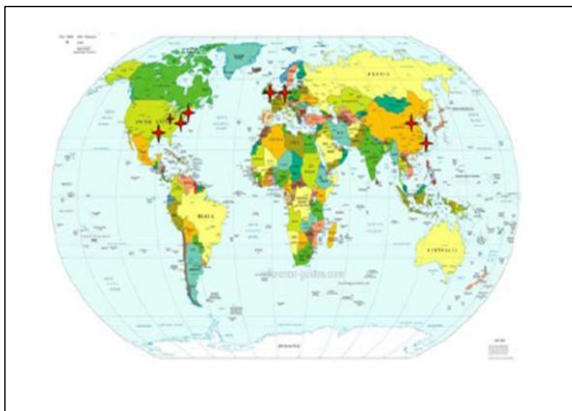
Industry Concerns

- Responsible care
- Reliability, longevity, improved performance
- Improved efficiencies to achieve lowest lifecycle costs possible
- Engineered products designed to increase equipment utilization



Documented root causes of bulk liquid transport failures:

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



"I just wanted to pass on a quick note regarding VSP Technologies. They have been extremely helpful and responsive in troubleshooting ISO tank gasket problems for our company.

Also, the company and its employees have extensive knowledge of tanks and the depots that service our company. This will be useful as we move forward with our ISO-Tank program with VSP." Per Container Depot client

"Cannot tell you how great the PITA®'s fit, worked, and dressed down. Everything worked as designed and we could not be happier with this products' performance" Per VSP tank customer

Steve Benet – Tank Container Specialist

Tel: (281)354-3032 Cell: (281)881-1912

Email: steve.benet@vsptechnologies.com

Corporate Office:

8140 Quality Dr.
Prince George, VA 23875

Tel: (804)541-0812

Fax: (804)452-1251

Email: www.vsptechnologies.com

Houston Office:

1403 Northpark Dr.
Kingwood, TX 77339

GIRARD
EQUIPMENT, INC.

Proudly distributed in Europe # (+44-0-876-23875) & Asia # (+86-10-876-23875) by; **GIRARD EQUIPMENT Inc.**
www.girardequipment.com