

TECHNICAL CONSULTING SERVICES

Providing professional and specialized services with over 35 years experience



NDT AND WELDING

INSPECTION SERVICES

COMPLIANCE SUPPORT

QUALITY ASSURANCE

ENGINEERING

Salco Products Inc.

1385 101st St., Suite A Lemont, IL 60439 ph 630-783-2570 • 11747 Windfern Rd., Suite 500 Houston, TX 77064 ph 281-351-0274


www.salcoproducts.com



SALCO TECHNICAL CONSULTING SERVICES

Salco Products Technical Consulting Services delivers highly technical, compliance-based services to the railroads, switching, shipping, manufacturing, and repair industries. Our services help our customers move product from design to destination in a safe, compliant, and cost effective manner. With over 35 years leading the transportation industry, our innovative and experienced minds make Salco the perfect choice for your technical and consulting needs.

As a compliance management company, Salco maintains membership in several trade and professional organizations. These memberships, and our participation, helps to ensure that our Customers are fully-informed of developing issues, and that we maintain leadership status by promoting scientifically-based and practical solutions to achieve compliance.



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Technical Consulting Services



Compliance Support

- Rail transportation consulting and regulatory support.
- Corporate compliance assessments.
- Tank car qualification and maintenance plan work instructions (49CFR180.509)
- Plant operator hazmat and railcar training (Examination before shipping: railcar, highway cargo tank, and ISO containers)
- Repair Shop single car air brake training
- Various shop function specific procedure development and training (car inspection, nondestructive testing method, Level III support, valve reconditioning, etc).



Engineering Services

- AutoCAD and SolidWorks design capabilities.
- Design for ease of fabrication (lean manufacturing).
- Quality improvement initiatives (Kaizen).
- Failure analysis including corrosion, mechanical, in-service and in-plant litigation support and development of corrective action to prevent recurrence.
- Corrosion and service failure analysis of in-plant and rolling stock for performance improvement and litigation support.
- Metallurgical and welding engineering support, including process and procedure development and oversight of process implementation at the facility level.
- Railcar design, conversion, alteration and modification repair engineering.
- Research, engineering and product development.
- Reliability analysis of fleet maintenance data.

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Quality Assurance

- AAR M-1003 quality assurance program development certification assistance.
- AAR M-1002 technical B-3 and B-3 Application support.
- Internal auditing and training.
- Root-cause analysis and training.
- Compliance assessments.
- FRA audit finding response support.
- Supply chain(vendor) auditing.



Car Inspection

- Railcar third-party inspection services.
- Inspector and AAR field manual training.
- FRA/OTMA management and root cause analysis.
- Manufacturing and repair facility car inspections covering inbound.
- Inspection, estimate generation, in-process inspection, final inspection, and customer acceptance.
- Pre-acquisition and lease return inspections.
- JIC inspection representative.
- Damage inspection on railroad property (with proper permission), storage facilities and customer property.
- Inspection for failure analysis and failure prevention engineering services.
- Evaluation of in-plant railcar damage.

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NDT and Welding Support

- Auditing and surveillance.
- ASNT NDT Level III on-site services (training, written practice and procedure development.
- Probability of detection (POD) development for site NDT methods.
- AWS D15.1, AAR Appendix W, ASME Section IX welding procedure development, training and welder qualifications.
- Welding program development and AWS CWI support.
- Work with shop floor personnel during implementation of new processes, including post implementation surveillance and follow-up assistance.



Language Services

- English and Spanish support services available
- Audits
- Car inspection
- Procedure development
- Procedure translations
- Training

SALCO PRODUCTS, INC.

Committed to Innovation



For more information, call customer service at: **(630) 685-4661**



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