



16710
2008-2652

FEB 24 2009

Lokring Technology
Attn: Mr. Matt Nimershiem
404 Oak Grove Road
Norfolk, VA 23505

Ref: (a) U.S. Coast Guard letter (SSIC 16703/46-56.30-25) dated 14 January 1994
(b) U.S. Coast Guard letter (SSIC 16703/46-56.30-25) dated 8 October 1991
(c) U.S. Coast Guard letter (SSIC 16703/46-56.30-25) dated 10 August 2001
(d) LOKRING Fittings Application Guide 4.08 dated 07 July 2007
(e) ABS Certificate of Type Approval 04-MO564594-X date 18 November 2004

Dear Mr. Nimersheim:

We have reviewed the materials submitted requesting the USCG expand the acceptance of LOKRING 316L SS40 fittings and MAS-3000 carbon steel fittings to include the entire size range through 3" NPS (3.500 OD).

LOKRING 316L SS40 fittings in sizes up to and including 3" NPS, and MAS-3000 carbon steel fittings in sizes up to and including 3" NPS, are acceptable for marine piping applications subject to the limitations in Subpart 56.30-25 of Title 46 of the Code of Federal Regulations (46 CFR) and further limitations as noted in references (a) through (e) with special emphasis placed on reference (d).

This letter is not to be construed as an installation approval. Each entity desiring to install the fittings shall demonstrate to a Coast Guard marine inspector that they have the proper equipment, procedures, and trained personnel to produce an acceptable end product. The user of the LOKTOOL machine must adhere to all recommendations of the manufacturer.

As previously stated by the Coast Guard, these fittings are acceptable for use in systems where "heat-sensitive materials", as defined in 46 CFR 56.50-1(a), are prohibited.

If you have further questions please contact Dan Lawrence (202) 372-1382.

Sincerely,

A handwritten signature in blue ink, appearing to read "D. G. McClellan".

D. G. MCCLELLAN
Commander, U.S. Coast Guard
Chief, Systems Engineering Division
By direction

Copy: MSC

U.S. Department
of Transportation

United States
Coast Guard



Systems Engineering Division
Office of Design and Engineering
Standards

2100 Second Street SW
Washington, D.C. 20593-0001
Staff Symbol: G-MSE-3
Phone: 202-267-2206
FAX: 202-267-4816

16703/46-56.30-25
August 10, 2001

Mr. Matt Nimershiem
Lokring Technology
404 Oak Grove Road
Norfolk, VA 23505

Ref: (a) U.S. Coast Guard letter dated January 14, 1994
(b) U.S. Coast Guard letter dated October 8, 1991

Dear Mr. Nimersheim:

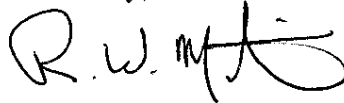
Thank you for your fax of July 9, 2001 requesting clarification of references (a) and (b) and whether it is acceptable to use LOKRING fittings on commercial vessels in fire hazardous applications.

As indicated in references (a) and (b), the Coast Guard accepts the LOKRING Elastic Strain Preload (ESP) series AISI 316L stainless steel fittings from 15 DN (1/2 NPS) to 40 DN (1 1/2 NPS) and the MAS-3000 series carbon steel ESP fittings from 8 DN (1/4 NPS) to 50 DN (2 NPS) for use in piping subject to the limitations in Subpart 56.30-25 of Title 46 of the Code of Federal Regulations (46 CFR), based on their compliance with the requirements of ASME B31.1. As previously stated by the Coast Guard, these fittings are acceptable for use in systems where "heat-sensitive materials", as defined in 46 CFR 56.50-1(a), are prohibited.

Your fax uses the expression "fire hazardous applications". It is not clear to us what specifically you intend by that expression, however, we also note your fax indicates a desired application for these fittings on a BOB HOPE class Military Sealift vessel on a 2 inch carbon steel fuel supply at ambient temperature and 150 psi maximum. The LOKRING fittings described above are acceptable for use in those systems where combustible fluids and flammable fluids are used, as described in 46 CFR 56.30-25(e).

This letter is not to be construed as an installation approval. Each activity desiring to install the fittings shall demonstrate to a Coast Guard marine inspector that they have the proper equipment, procedures, and trained personnel to produce an acceptable end product. The user of the LOKTOOL machine must adhere to all recommendations of the manufacturer.

Sincerely,

A handwritten signature in black ink, appearing to read "R. W. Martin". The signature is stylized with a large, looped "M" and a long horizontal stroke at the end.

R. W. MARTIN
Commander, U.S. Coast Guard
Chief, Systems Engineering Division
Office of Design and Engineering Standards
Marine Safety and Environmental Protection
By direction of the Commandant

Copy: MSC-2
ABS Americas

Subj: ACCEPTANCE OF ESP MECHANICALLY
ATTACHED FITTINGS

16703/46-56.30-25
14 January 1994

If you have any further questions on this matter, or need further assistance on any other matter, please feel free to contact Mr. Stephen Irvin, of my staff, at (202) 267-2206.

Sincerely,

J. A. Stamm

J. A. STAMM
Commander, U.S. Coast Guard
Chief, Engineering Branch
Marine Technical and Hazardous
Materials Division
By direction of the Commandant

Copy: MSC-2
ABS
CAPT Eschenberg, ABS Liaison

U.S. Department
of Transportation

United States
Coast Guard



Commandant
U.S. Coast Guard

2100 Second Street S.W.
Washington, DC 20593-0001
Staff Symbol: G-MTH-2
Phone (202) 267-2206
FAX: (202) 267-4816

16703/46-56.30-25
October 8, 1991

Lokring Corporation
396 Hatch Drive
Foster City, CA 94404

Subj: AISI TYPE 316L MECHANICALLY ATTACHED FITTINGS

Ref: (a) Your letter dated 12 August-1991.

Gentlemen:

In response to reference (a), your AISI Type 316L "LOKRING" mechanically attached fittings are considered compression fittings of the non-bite type and may be used in class I, I-L, II and II-L piping systems, in accordance with 46 CFR 56.30-25. This acceptance applies only to your AISI Type 316L mechanically attached straight couplings $\frac{1}{2}$ " to $1\frac{1}{2}$ " NPS.

Each activity desiring to install the fittings shall demonstrate to a marine inspector that they have the proper equipment, procedures, and trained personnel to produce an acceptable end product. The user of the LOKTOOL machine must adhere to all recommendations of the manufacturer.

This acceptance shall not be used in advertising suggesting approval by the Coast Guard. Specific approval for each installation must be obtained, usually by the ship owner or builder. A review by the Coast Guard is conducted to determine suitability for the intended service. This review is accomplished by the Marine Safety Center or the Officer in Charge, Marine Inspection, having jurisdiction over the geographic area of installation.

With regards to acceptance of your class 200 Cu/Ni fittings, the U. S. Coast Guard finds all fittings acceptable for use in piping subject to the limitations in 46 CFR 56.30-25. This acceptance applies only to your Class 200 Cu/Ni fittings from $\frac{1}{4}$ " to 2" NPS.

Sincerely,

R. M. LETOURNEAU
Commander, U.S. Coast Guard
Chief, Engineering Branch
Marine Technical and Hazardous
Materials Division
By direction of the Commandant

U.S. Department
of Transportation

United States
Coast Guard



Commandant
U.S. Coast Guard

2100 Second Street SW
Washington, DC 20593-0001
Staff Symbol: σ-MTK-2
Phone: (202) 267-2206

16703/46-56.30-25
14 January 1994

Mr. Brian Post
LOKRING Corporation
396 Hatch Drive
Foster City, CA 94404

Subj: ACCEPTANCE OF ESP MECHANICALLY ATTACHED FITTINGS

Ref: (a) Your letter of September 24, 1993

Dear Mr. Post:

In response to reference (a), the Coast Guard accepts the Lokring Elastic Strain Preload (ESP) series AISI 316L stainless steel fittings from 15 DN ($\frac{1}{2}$ NPS) to 40 DN ($1\frac{1}{2}$ NPS) and the MAS-3000 series carbon steel ESP fittings from 8 DN ($\frac{1}{4}$ NPS) to 50 DN (2 NPS) for use in piping subject to the limitations in Subpart 56.30-25 of Title 46 of the Code of Federal Regulations (46 CFR), based on their compliance with the requirements of ASME B31.1.

Having reviewed the test report provided, the modified API 607 fire test is considered to be equivalent to the fire test specified under Supplemental Requirement S7 of ASTM F-1387. The Coast Guard has determined that products tested to and determined to comply with Supplemental Requirement S7 are acceptable for applications in systems where "heat-sensitive materials" are prohibited. Therefore, these fittings are acceptable for use in systems where "heat-sensitive materials", as defined in 46 CFR 56.50-1(a), are prohibited.

Each activity desiring to install the fittings shall demonstrate to a Coast Guard marine inspector that they have the proper equipment, procedures, and trained personnel to produce an acceptable end product. The user of the LOKTOOL machine must adhere to all recommendations of the manufacturer.

This acceptance shall not be used in advertising material suggesting approval by the Coast Guard. Specific approval for each installation must be obtained, usually by the ship owner or builder. A review by the Coast Guard is conducted to determine suitability for the intended service. This review is accomplished by the Marine Safety Center or the Officer in Charge, Marine Inspection, having jurisdiction over the geographic area of installation.