TSCF 2010 Shipbuilders Meeting

An Overview of the Tanker Structure Cooperative Forum

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Background to Forum Activities

- Established in 1983
- Brings together classification societies, major oils and independent tanker operators to discuss structural experiences
- 27 member companies
- Steering Committee guides work activities
- Work Group pursues topics of interest to members

Role of the TSCF

- Share knowledge and experience to advance maritime safety through improvement in design and maintenance of tanker structures
- Work Areas:
 - Corrosion
 - Structural defects
 - Inspection procedures and access
 - Criteria for renewal of damaged or corroded structure

Membership

Class Members (10)

American Bureau of Shipping Bureau Veritas China Classification Society Det Norske Veritas Germanischer Lloyd AG Korean Register of Shipping Lloyd's Register Nippon Kaiji Kyokai (ClassNK) RINA S.P.A. Russian Maritime Register of Shipping

Oil Majors (8)

BP Shipping Limited Chevron Shipping Company LLC ConocoPhillips/Polar Tankers Inc. ExxonMobil affiliates (IMT and SeaRiver) Petrobras Transporte SA Shell Shipping Technology Statoil ASA Total Trading & Shipping

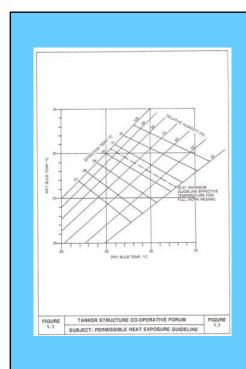
Independent Companies (9)

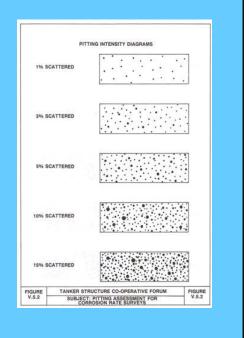
A.P. Moller-Maersk Euronav Ship Management SAS Hellespont Steamship Corp. Mitsui OSK Lines Ltd NYK Line OSG Ship Management Stena Rederi AB Teekay Marine Services Thenamaris Ships Management Inc.

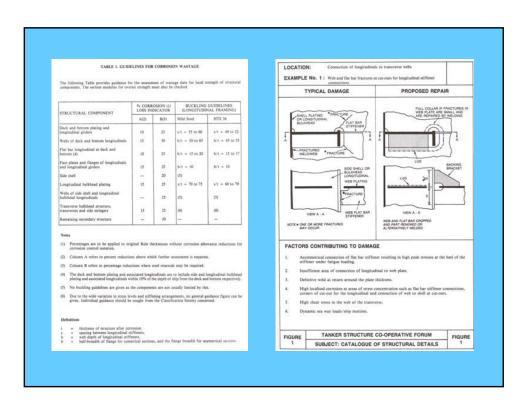


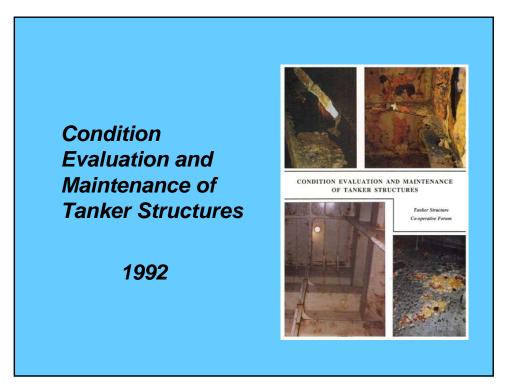
Guidance Manual for the Inspection and Condition Assessment of Tanker Structures

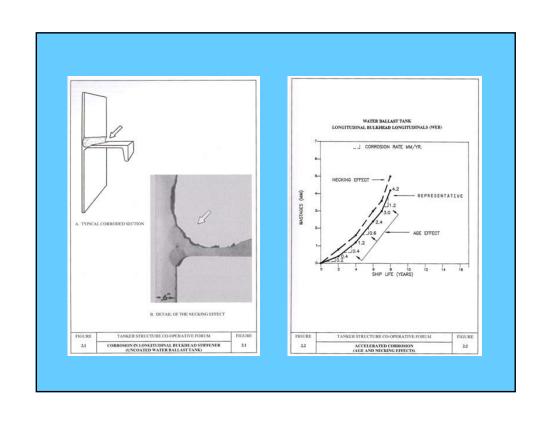


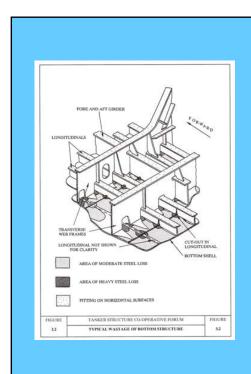


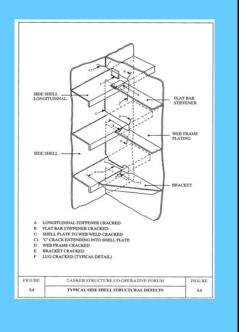


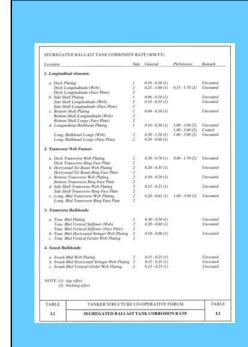


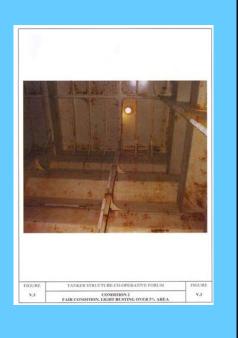




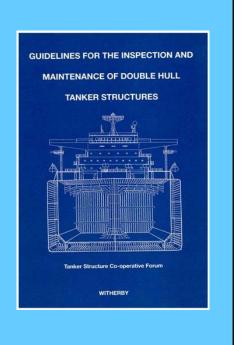


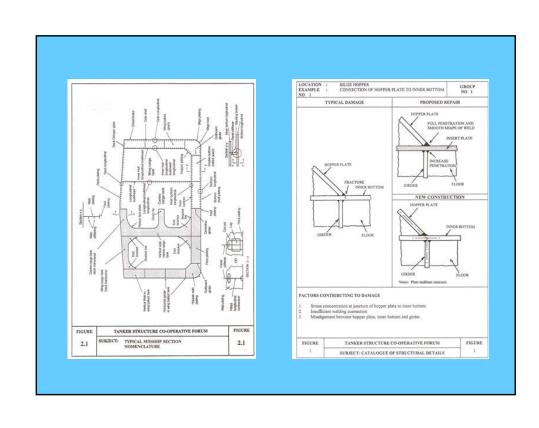




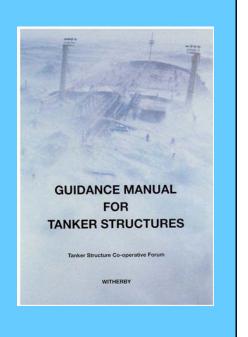


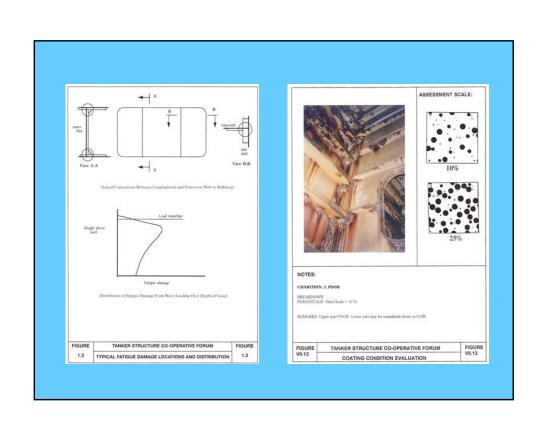
Guidelines for the Inspection and Maintenance of Double Hull Tanker Structures



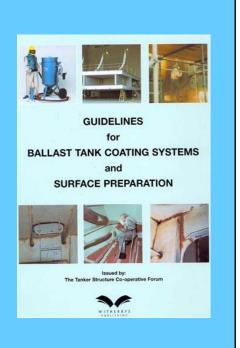


Guidance Manual for Tanker Structures

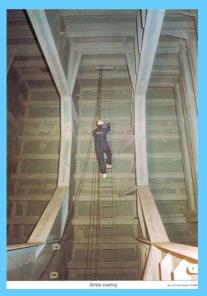




Guidelines for Ballast Tank Coating Systems and Surface Preparation

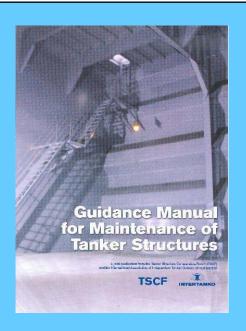






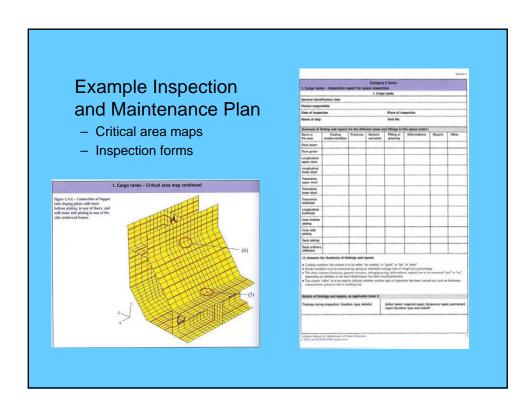
Guidance Manual for Maintenance of Tanker Structures

2008



Guidance Manual Contents

- Regulatory Requirements for Maintenance
- Review of Typical Defects
- Inspection and Maintenance Objectives
- Inspection Programmes
- Maintenance and Repair of the Hull Structure
- Protection Against Corrosion
- Appendices



Meetings with the Shipbuilders

- Allow sharing of information on in-service experience and lessons learned
- Improve the design and repair of tank vessels.
- Five of these meetings have been held:
 - November 1987, ABS, Paramus, New Jersey, USA
 - October 1992, Lloyds Register, London, UK
 - October 2000, ClassNK, NYK Line and Mitsui OSK Lines, Tokyo, Japan
 - October 2007, Korean Register, Busan, Republic of Korea
 - October 2010, ClassNK, Tokyo, Japan

The Tanker Structure Cooperative Forum

Guidance to the industry through sharing of experiences.

Thank You!