



## TSCF News Update – April 2017

**The TSCF Work Group meeting No. 49 (WG49) was successfully arranged in Athens, Greece from March 29<sup>th</sup> to March 30<sup>th</sup> by Euronav.**

The technical content of the Work Group meeting was of high quality - Topics of common interest were shared and discussed in form of technical presentations, sharing members experience and discussion and preparations of future publications by the TSCF Work Group.

The highlights of the meeting were:

- Guest Presentation by Mr. Chris Leontopoulos (Mgr. Marine Corporate Technology of ABS Athens) on the topics “Machinery induced vibrations onto hull” and “Hull deflections affecting propulsion systems”.
- Participant’s feedback from the last 2-day Shipbuilder’s Meeting held October 2016 in Busan, South Korea and arranged by Class KR was presented and evaluated. In general the feedback on technical content, networking and the practical arrangement was excellent. The meeting had around 150 participants including TSCF members, ship owners, ship operators, shipbuilders, consultants, universities and other marine related businesses.
- Sharing and discussion of members experience included:
  - Unexpected cargo and freshwater tank coating breakdown/failure.
  - Shipyard welding fraud and importance of site team patrolling.
  - Buckling damage of web frames in midship region of VLCC.
  - Failure in main engine minor parts causing severe problem where licensee builder can select own material quality, without Class or engine licensor/provider specific requirements.

## Tanker Structure Co-operative Forum



- Vortex shedding induced vibration of rudder and aft ship.
  - Increased awareness from PSC on min. size of emergency exits.
  - Failure of welding which were NDT tested by shipyard.
- New topics of technical interest and possibly suited for future TSCF internal presentations or publications were discussed and included:
- IMO Goal Based Standard (GBS) and Common Structural Rules for Oil Tankers and Bulk Carriers. The GPB includes items additional requirements to shipbuilder and ship owner not covered by Class. New requirements are related to survey, human elements, ship construction file and recycling. All items related to the construction and in-service phases.
  - Use of composites and marine glues for construction and permanent repairs.
  - Additional inspection and test procedures for hull construction to minimize number of construction defects.
- Discussions and preparations of new TSCF publications and new revisions of existing included:
- Updated version of “Guidance Note on Fatigue for Double Hull Oil Tankers Complying with the CSR” to comply with 2016 CSR rules.
  - Discussion of members recent input experience to existing publication “A Comparison of TSCF and PSPC Ballast Tank Coating Guidance – Owner’s Experiences and Best Practice”.
  - Continued work and coordination of the publication “Vibration Information Paper”, which will include sources of vibration, analysis & measurements, acceptance criteria, resolving, Class recommendations and recommendations to ship owners.

## Tanker Structure Co-operative Forum



TSCF would like to thank Euronav for a very successful arrangement and thank all participants for constructive and open-minded knowledge sharing and discussions which forms the basis for the forum.