

Dr. Fridtjof Nansen – Building progress

Update by 31st October 2016



Main milestones: First steel cut: 13.01.2015
Keel laying: 23.04.15
Launch of vessel: 23.12.15
Dockside Trials: started 22.08
Sea trials: scheduled start/departure from yard 11th November
Scheduled Delivery – 19.12.16

Progress:

- High activity on dockside tests and trials this period. All major maritime components are up and running. Tuning and tests are in progress. Generally the tests have performed well, smaller deviations noted, but most of them rectified immediately after tests.

Some issues related to programming errors and omissions in the Ingeteam delivery (Switchboards, Frequency converters and PMS), has resulted in remarks by DNV-GL and owner.

During commissioning it is also noticed additional re-cabling and re-programming work on Ingeteam equipment, most likely due to their lack of proper revision updates from sub-suppliers etc. (Brunvoll a.o)

Despite delays and re-scheduling of test programs, the tests and trials is well organized by yard.

DNV-GL representatives are present with high focus and competent survey and approval procedures.

Final assembly and completion of outstanding areas ongoing all over the vessel. No final check out of areas and rooms started yet.

Based on inclining test results it is agreed to install righting weights of approx. 20 tons in tk 400C stb side.

Milestones this period: Main Generators - PMS and Load test carried out week 41, AC motors and main propeller start up week 42, thrusters start up and tests week 43.

Engineers from Kongsberg (4-5 persons) and RAPP (3-4 persons) continues the commissioning of aquatic equipment and research winches.

Representatives from TSI were on site during week 41 for internal and preliminary check out and vibration measurements of Generator sets and other running machinery. No official statement from these test, but on request we were informed that it looks as forecasted.

- Revised start up and trial plan (Rev. 5) received from yard on October 20th.
By date, the scheduled tests and trials according to rev. 5 plan are achieved.
Main maritime systems are up and running, and from the vessel maneuvering point of view, a departure for sea trials on the 11th Nov. should be achievable.
However, we have doubts that all outstanding work can be finished within this date. Concern is the status of remaining work in scientific areas and equipment (drop keel arr. and equipment installation, laboratories etc) in addition to paint work, completion of thin plating in technical areas etc, etc.

Due to Spanish national holiday Nov. 1st, there has been limited activity the last 3 days of October. Only painters and accommodation subcontractors was working during weekend and Monday.

Completion of outstanding areas in parallel with maritime sea trials (nightshifts o.a in Gijon) is probably an option that yard should evaluate if sea trials should start as planned.

All sea trials are planned out from the port of Gijon during the period 11th Nov – 19th Dec. with a booked dry dock period 2-7 December at Astander shipyard in Santander, with Metalship shipyard in Vigo as the optional location.

Activity at Gondan - week 44



Aft deck



Mast with crows nest



Bridge outfitting is progressing



Messroom



Galley



Ass. Cruise leader cabin



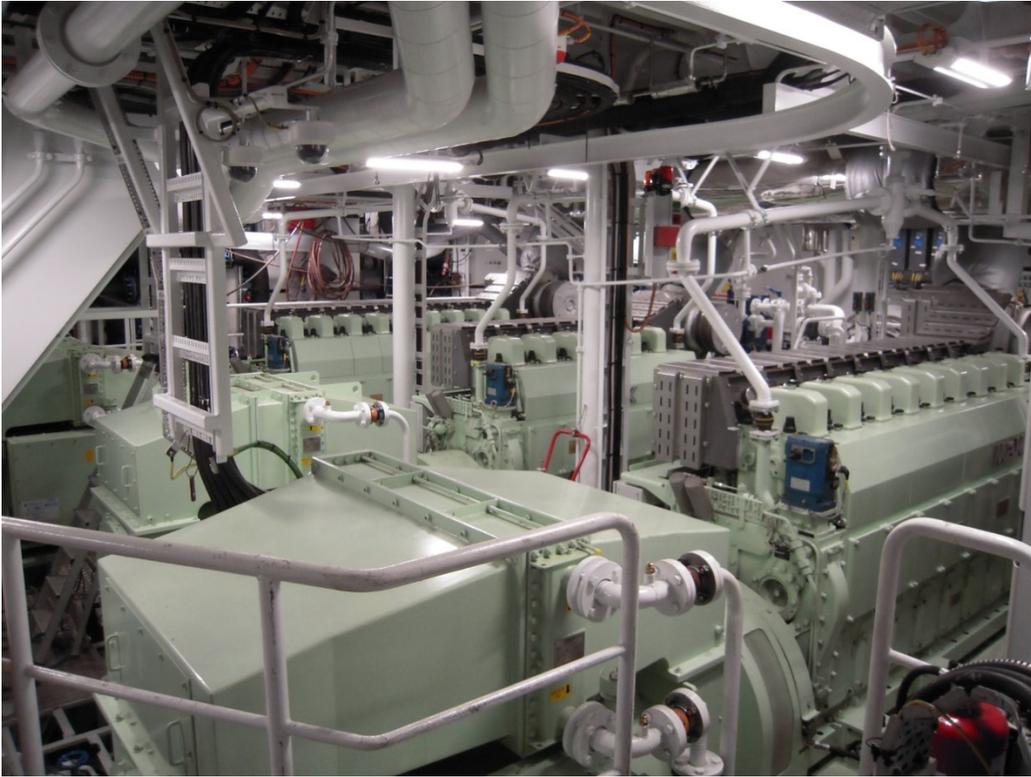
Gymnasium



Hospital



Engine room areas



AC motors started Oct 20th



Separator room



Sewage treatment room



L15 - Scientific store



L12 Wet fish Lab – still lot of work to be done in laboratories

