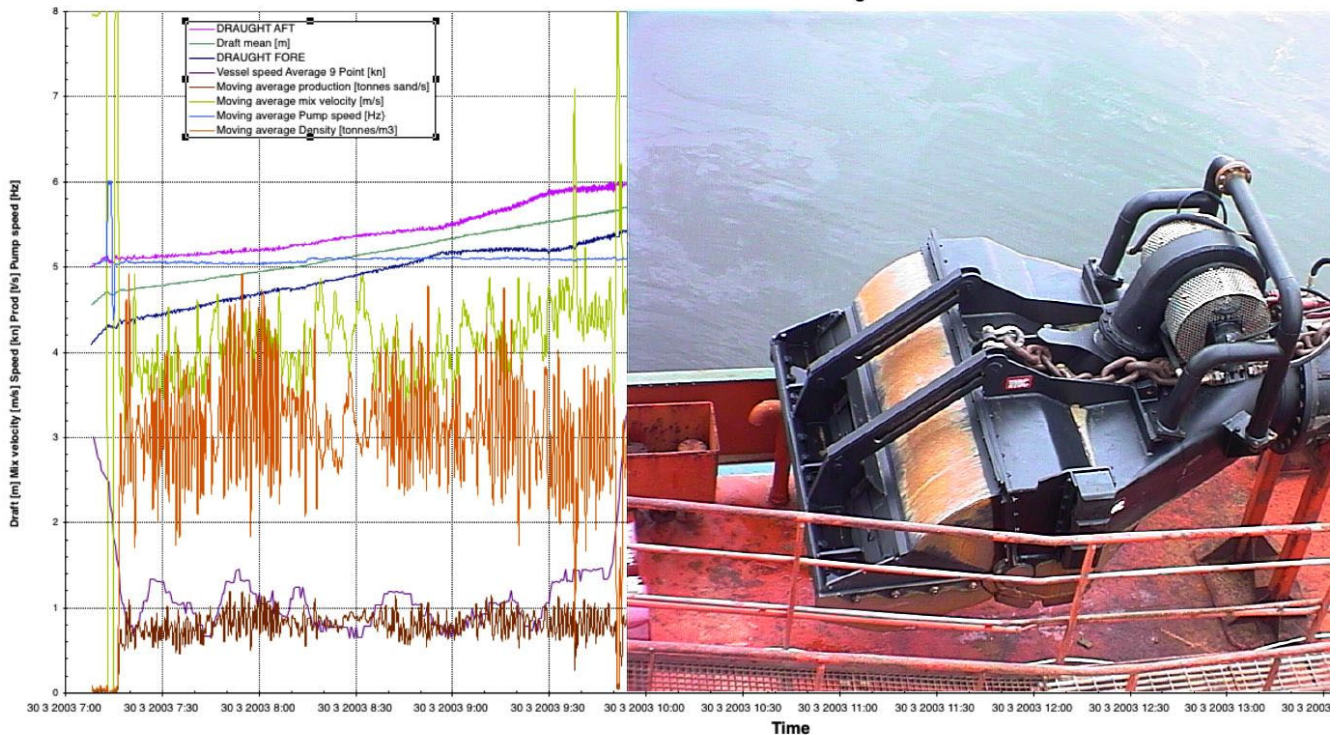


Pump/Draghead and Aggregate Quality Study at trailing suction hopper dredge

One of the tested dragheads



One of the trial runs and measurement readings

Hanson Aggregates Marine Ltd is experienced in dredging aggregates for the building industry and projects in Great Britain and the Continent. With the introduction of new designs of dredge pumps and dragheads in the market the Client wishes to carry out a comparative test to assess the improvements of such new designs before introducing these on their fleet of trailing suction hopper dredges (TSHD).

The dredging process is rather complicated and the production capacity of a TSHD depends on numerous design details of the dredge and process parameters. For a proper comparative test of the two draghead and dredge pump configurations it is of utmost importance that the ship is not modified other than with the tools to be tested and that the test will be conducted at similar site conditions and process settings. Otherwise the data sets need to be filtered to give data at similar conditions.

Consultant was invited to;

- i. assess the theoretical differences between the configurations to be tested;
- ii. assist in the preparation of the performance tests;
- iii. witness and monitor the tests;
- iv. assess the measurement results

Client

Hanson Aggregates Marine

Location

United Kingdom
The Netherlands

Year

2003

Services

-
-

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