

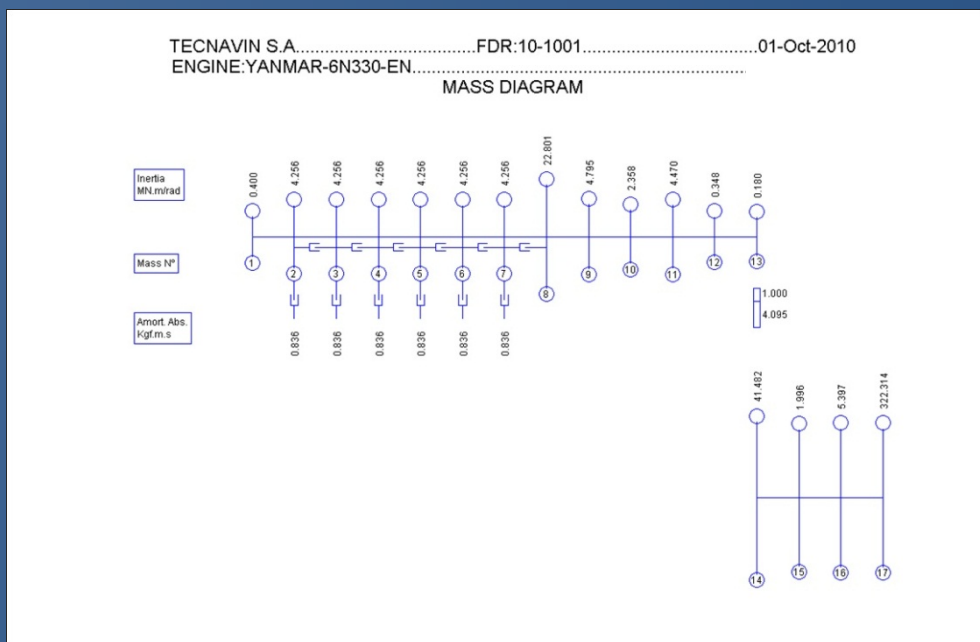
Vibration Analysis of a tanker

Lateral & Torsional Vibration Analysis



Type: Tanker vessel
 Overall length: 120.55 m
 Overall Beam: 17.20 m
 Engine: Yanmar 6N330-EN
 MCR: 2574 KW (3500 HP)

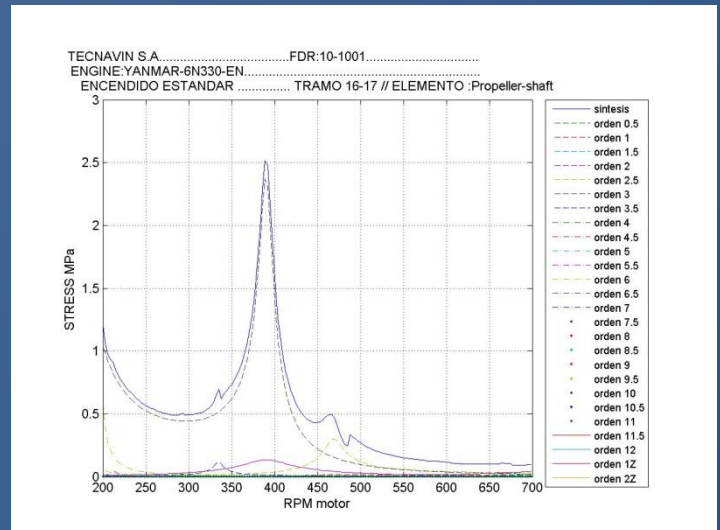
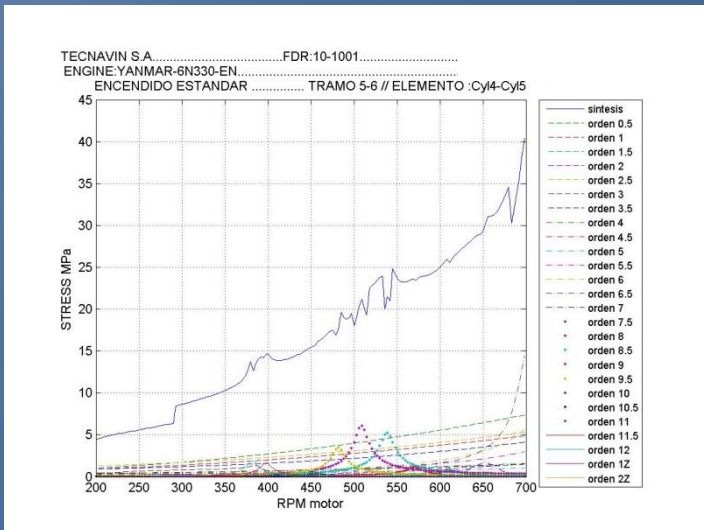
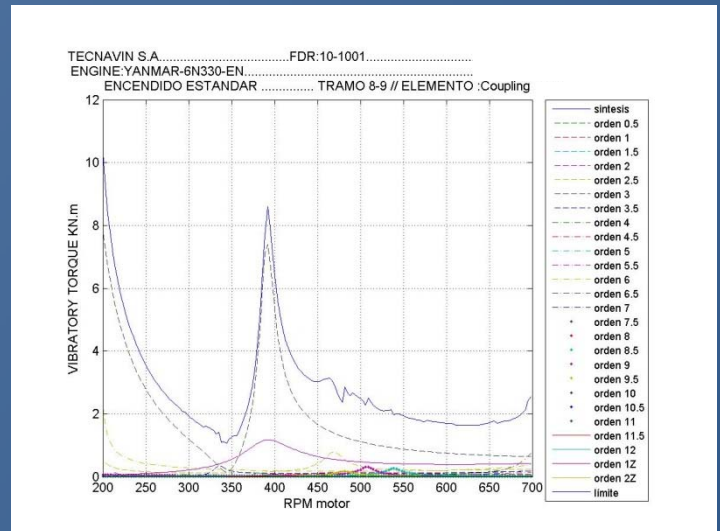
Vibration analysis report for IRS classification society for approval.
 New propeller analysis and installation.
 Analysis resulted, the operational range was restricted on misfiring condition.



Torsional model done in TORCAL – TECNAVIN S.A. Software

Torsional vibration results from TORCAL software

- Vibratory stresses
 - Vibratory torque
 - Power loss
 - Angular deformation
- Analysis of all propulsion components including engine, damper, couplings, gearbox, shafts, etc.
 - Standard analysis and misfiring condition
 - Analysis with Classification Societies requirements.



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