

# TORRES

Shaft Torsional Vibration Analysis Service



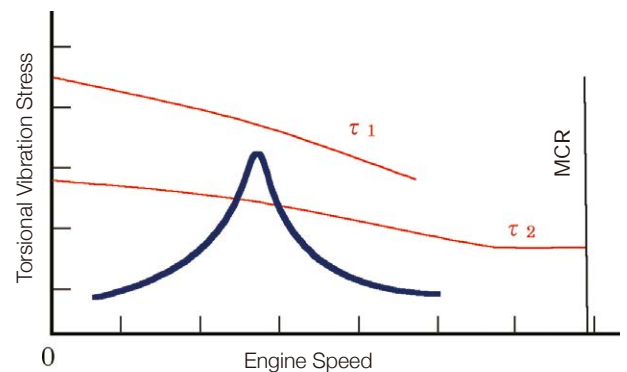
## Key Features

- ◆ Shaft torsional vibration analysis service using the new TORRES (TORsional vibration RESponse analysis) calculation program
- ◆ Analysis based on both NK Rules and IACS UR M68

Evaluation of torsional vibration is essential for shafting system design. This is especially true for diesel engine driven shafting systems, as diesel engines generate exciting torque due to the internal combustion in each cylinder. ClassNK's PrimeShip-TORRES is a service for carrying out torsional vibration analysis and evaluation.

### Evaluation criterion

PrimeShip-TORRES is an analysis and evaluation service developed based on the wealth of knowledge contained in the ClassNK rules. PrimeShip-TORRES can be used to evaluate torsional vibration both at the design stage and during shafting system modification, e.g. replacement of the propeller etc. This service is a vital tool for preventing damage caused by torsional vibration.



### Evaluation of essential items relevant to torsional vibration

Evaluations are provided for all essential items related to torsional vibration, including torsional vibration stress, barred speed range and gear chattering, among other items.

