

## 目次

### 性能与排放

- 甲醇燃料在耙吸挖泥船的应用前景及可行性分析..... 吴磊,黄吉(1)
- 进气涡流对船用中速柴油机的性能影响..... 朱涛,朱娜,和晓锋(6)
- 非道路用柴油机热效率优化设计与开发..... 杜鑫(12)

### 智能化与控制

- 包含多控制位置的船舶推进操控系统可靠性..... 蔡吉闽,周晓洁,陈德富,王鑫,舒瑛(19)

### 结构与可靠性

- 基于AHP和HoR的船用动力装置可靠性重要度评价方法..... 任路平,戎志祥,郭丰泽,王燕萍,陈松(26)
- 基于高周疲劳分析的船用柴油机活塞结构优化设计..... 韩毅,赵立彬,景国玺,刘超(32)
- 基于柴油机性能改造的配气凸轮型线简易设计方法..... 黄晔晖,曹忠辉,赵世奇(39)

### 系统与附件

- 船舶天然气供给气化调压系统试验..... 胡兴雷,龚胜华,金圻焯,朱向利,冯泳程(46)
- LNG燃料船冷能利用可行性研究..... 鲁建,余汉文,陆军(52)

### 减振与降噪

- 声流式消声器声学性能研究..... 王笃勇,陆传荣,徐贝贝,朱晓健(57)

### 圆桌访谈

- 迈向绿色未来:甲醇发动机技术的突破与展望..... (后插1-6)

### 广告目次

- 封一 《柴油机》杂志公益广告
- 封二 重庆清平机械有限责任公司
- 封三 中国国际海事技术学术会议和展览会

## Contents

### Performance and Emission

- Prospect and Feasibility Analysis of Methanol Fuel Application on Trailing Suction Dredger .....  
..... WU Lei, HUANG Ji ( 1 )
- Impact of Intake Swirl on the Performance of Medium Speed Marine Diesel Engines .....  
..... ZHU Tao, ZHU Na, HE Xiaofeng ( 6 )
- Optimization Design and Development of Thermal Efficiency for Non Road Diesel Engines ..... DU Xin ( 12 )

### Intellectualization and Control

- Reliability of a Ship Propulsion Control System Including Multiple Control Positions .....  
..... CAI Jimin, ZHOU Xiaojie, CHEN Defu, WANG Xin, SHU Ying ( 19 )

### Construction and Reliability

- Importance Evaluation Method of the Reliability of Marine Power Plant Based on AHP and HoR .....  
..... REN Luping, RONG Zhixiang, GUO Fengze, WANG Yanping, CHEN Song ( 26 )
- Optimized Design of Marine Diesel Engine Piston Structure Based on High Cycle Fatigue Analysis .....  
..... HAN Yi, ZHAO Libin, JING Guoxi, LIU Chao ( 32 )
- Simple Design Method for Valve Cam Profile Based on Diesel Engine Performance Improvement .....  
..... HUANG Yehui, CAO Zhonghui, ZHAO Shiqi ( 39 )

### System and Accessory

- Experiment on Vaporization and Pressure Control of Fuel Gas Supply System for LNG Fueled Ships .....  
..... HU Xinglei, GONG Shenghua, JIN Qiye, ZHU Xiangli, FENG Yongcheng ( 46 )
- Feasibility Study on Cold Energy Utilization of LNG Fuel Ship ..... LU Jian, YU Hanwen, LU Jun ( 52 )

### Noise and Vibration Reduction

- Acoustic Performance of Acoustic Flow Silencer .....  
..... WANG Duyong, LU Chuanrong, XU Beibei, ZHU Xiaojian ( 57 )