

SHIPUNIVERSE

MAINTENANCE

□ 2. Cleaning and Lubrication Programs □ 19. Portable Diagnostic Equipment □ 36. Laser Cladding for Component Repair □ 3. Energy-Efficient Propeller Polishing □ 20. Lifecycle Cost Analysis for Equipment □ 37. Adopting Modular Repairs □ 4. Digital Maintenance Logs □ 21. Applying Advanced Antifouling Coatings □ 38. Exhaust Gas Cleaning Systems (Scrubbers) □ 5. Training Crew for Basic Repairs □ 22. Advanced Bearing Monitoring Techniques □ 39. Advanced Engine Performance Monitoring Systems □ 6. Bulk Procurement of Maintenance Supplies □ 23. Conducting Regular Shaft Alignment Checks □ 40. Onboard Fuel System Optimization □ 7. Regular Calibration of Navigation Instruments □ 24. Using Predictive Maintenance Technology □ 41. Applying Enhanced Ballast Tank Coatings □ 8. Regular Inspection of Cargo Dandiling Equipment □ 25. Reconditioning Critical Components □ 42. Implementing Remote Monitoring Systems □ 9. Regular Inspection and Maintenance of Fire Suppression Systems □ 26. Waste Heat Recovery Systems □ 43. Electrical System Upgrades □ 10. Crew-Centric Maintenance Audits □ 27. Retrofitting Aging Systems with Energy-Efficient Alternatives □ 44. Rebuilding Engines Instead of Replacements □ 11. Condition-Based Monitoring (CBM) □ 28. Dry-Docking and Repairs Systems □ 45. Water-In-Fuel Emulsion Systems □ 12. Using Aftermarket Spare Parts Inventory Management Systems	□ 1. Scheduled Preventive Maintenance	□ 18. Corrosion Prevention Programs	□ 35. Regular Inspection of Hull Cathodic Protection Systems
Polishing Equipment 37. Adopting Modular Repairs 31. Applying Advanced Anti-Fouling Coatings 32. Advanced Engine 33. Exhaust Gas Cleaning 33. Advanced Engine 34. Digital Maintenance Logs 32. Advanced Bearing 33. Advanced Engine 34. Digital Maintenance Supplies 32. Conducting Regular Shaft 33. Advanced Engine 34. Digital Maintenance Supplies 34. Using Predictive 34. Applying Enhanced Ballast 34. Advanced Instruments 34. Digital Maintenance Technology 34. Applying Enhanced Ballast 34. Advanced Instruments 34. Advanced Instruments 34. Advanced Instruments 34. Advanced Instruments 35. Reconditioning Critical 35. Reconditioning Critical 35. Reconditioning Critical 34. Advanced Vibration 35. Repular Inspection and 36. Waste Heat Recovery 36. Replacements 34. Rebuilding Engines Instead of Replacements 34. Rebuilding Engines Instead of Replacements 36. Full System	_	_	_
Systems (Scrubbers)			□ 37. Adopting Modular Repairs
Repairs G. Bulk Procurement of Maintenance Supplies	□ 4. Digital Maintenance Logs		_
Maintenance Supplies 7. Regular Calibration of Navigation Instruments 24. Using Predictive Maintenance Technology 41. Applying Enhanced Ballast Tank Coatings 25. Reconditioning Critical Components 42. Implementing Remote Monitoring Systems 42. Implementing Remote Monitoring Systems 43. Electrical System Upgrades 43. Electrical System Upgrades 44. Rebuilding Engines Instead of Replacements 44. Rebuilding Engines Instead of Replacements 44. Rebuilding Engines Instead of Replacements 45. Water-In-Fuel Emulsion Monitoring (CBM) 28. Dry-Docking and Repairs During Off-Peak Seasons 45. Water-In-Fuel Emulsion Systems 46. Full System Overhauls 47. Comprehensive Lifecycle Management 47. Comprehensive Lifecycle Maintenance Overhauls 48. Implementing Predictive Maintenance Overhauls 48. Implementing Predictive Maintenance Systems 49. Upgrading to Hybrid or Alternative Fuel Systems 49. Upgrading to Hybrid or Alternative Fuel Systems 50. Retrofitting to Hybrid Propulsion Systems 50. Retrofitting to Hybrid Propulsion Systems 17. Heat Exchanger 34. Advanced Vibration 35. Retrofitting to Hybrid Propulsion Systems 34. Advanced Vibration 34. Advanced Vibration 35. Retrofitting to Hybrid Propulsion Systems 36.	_		□ 39. Advanced Engine Performance Monitoring Systems
Navigation Instruments Sample Samp			_
Handling Equipment 9. Regular Inspection and Maintenance of Fire Suppression Systems 26. Waste Heat Recovery Systems 27. Retrofitting Aging Systems Upgrades 27. Retrofitting Aging Systems with Energy-Efficient Alternatives 11. Condition-Based		_	
Maintenance of Fire Suppression Systems 25. Waste Heat Recovery Systems 43. Electrical System Upgrades		_	<u> </u>
10. Crew-Centric Maintenance Audits with Energy-Efficient Alternatives 44. Rebuilding Engines Instead of Replacements 11. Condition-Based 28. Dry-Docking and Repairs 45. Water-In-Fuel Emulsion 12. Using Aftermarket Spare 29. Investing in Knowledge 46. Full System Overhauls 13. Spare Parts Inventory 30. Remote Maintenance 47. Comprehensive Lifecycle Management Assistance Tools Maintenance Overhauls 14. Optimized Dry Dock 31. Partnerships with 48. Implementing Predictive Scheduling Maintenance Providers 49. Upgrading to Hybrid or 15. Optimizing Voyage 32. Switching to Long-Life 49. Upgrading to Hybrid or Alternative Fuel Systems 50. Retrofitting to Hybrid 16. Advanced Lubrication 33. Investing in Water 50. Retrofitting to Hybrid 17. Heat Exchanger 34. Advanced Vibration	Maintenance of Fire Suppression	_	_
Monitoring (CBM) During Off-Peak Seasons Systems 29. Investing in Knowledge Management Systems 46. Full System Overhauls 47. Comprehensive Lifecycle Maintenance Overhauls 47. Comprehensive Lifecycle Maintenance Overhauls 48. Implementing Predictive Maintenance Systems 48. Implementing Predictive Maintenance Systems 49. Upgrading to Hybrid or Lubricants and Consumables 49. Upgrading to Hybrid or Alternative Fuel Systems 49. Upgrading to Hybrid or Alternative Fuel Systems 40. Full System Overhauls 40. Full System Overhauls 40. Full System Overhauls 40. Full System Overhauls 41. Optimized Dry Dock 42. Implementing Predictive Maintenance Systems 43. Investing to Long-Life 44. Upgrading to Hybrid or Alternative Fuel Systems 45. Advanced Lubrication 47. Comprehensive Lifecycle Maintenance Overhauls 48. Implementing Predictive Maintenance Systems 49. Upgrading to Hybrid or Alternative Fuel Systems 40. Full System Overhauls 40. Full System Overhauls 40. Full System Overhauls		with Energy-Efficient	
Parts 30. Remote Maintenance 47. Comprehensive Lifecycle 48. Management 47. Comprehensive Lifecycle 48. Maintenance 47. Comprehensive Lifecycle 48. Maintenance 59. Maintenance			
Management 14. Optimized Dry Dock 31. Partnerships with 48. Implementing Predictive Scheduling Maintenance Providers Maintenance Systems 15. Optimizing Voyage 32. Switching to Long-Life 49. Upgrading to Hybrid or Lubricants and Consumables Alternative Fuel Systems 16. Advanced Lubrication 33. Investing in Water 50. Retrofitting to Hybrid Management Systems 34. Advanced Vibration 34. Advanced Vibration 35. Investing in Water 17. Heat Exchanger 34. Advanced Vibration 35. Investing in Water 17. Heat Exchanger 34. Advanced Vibration 35. Investing in Water 17. Heat Exchanger 34. Advanced Vibration 35. Investing in Water 17. Heat Exchanger 34. Advanced Vibration 35. Investing in Water 17. Heat Exchanger 34. Advanced Vibration 35. Investing in Water 17. Heat Exchanger 34. Advanced Vibration 35. Investing in Water 17. Heat Exchanger 34. Advanced Vibration 35. Investing in Water 17. Heat Exchanger 34. Advanced Vibration 35. Investing in Water 17. Heat Exchanger 34. Advanced Vibration 35. Investing in Water 17. Heat Exchanger 34. Advanced Vibration 35. Investing in Water 17. Heat Exchanger 34. Advanced Vibration 35. Investing in Water 17. Heat Exchanger 34. Advanced Vibration 35. Investing in Water 17. Heat Exchanger 34. Advanced Vibration 35. Investing in Water 17. Heat Exchanger 34. Advanced Vibration 35. Investing in Water 17. Heat Exchanger 34. Advanced Vibration 35. Investing in Water 17. Heat Exchanger 34. Advanced Vibration 35. Investing in Water 17. Heat Exchanger 34. Advanced Vibration 35. Investing in Water 17. Heat Exchanger 17. Heat Exchan			□ 46. Full System Overhauls
Scheduling Maintenance Providers Maintenance Systems 15. Optimizing Voyage 32. Switching to Long-Life Lubricants and Consumables Alternative Fuel Systems 16. Advanced Lubrication 33. Investing in Water Treatment Systems Propulsion Systems 17. Heat Exchanger 34. Advanced Vibration	_		_
Planning Lubricants and Consumables Alternative Fuel Systems 16. Advanced Lubrication 33. Investing in Water Treatment Systems Propulsion Systems 17. Heat Exchanger 34. Advanced Vibration		_	_
Management Systems Treatment Systems Propulsion Systems □ 17. Heat Exchanger □ 34. Advanced Vibration			
		_	
	_		