

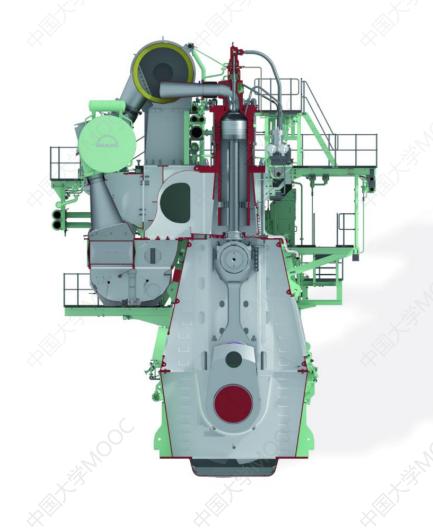


柴油机系统

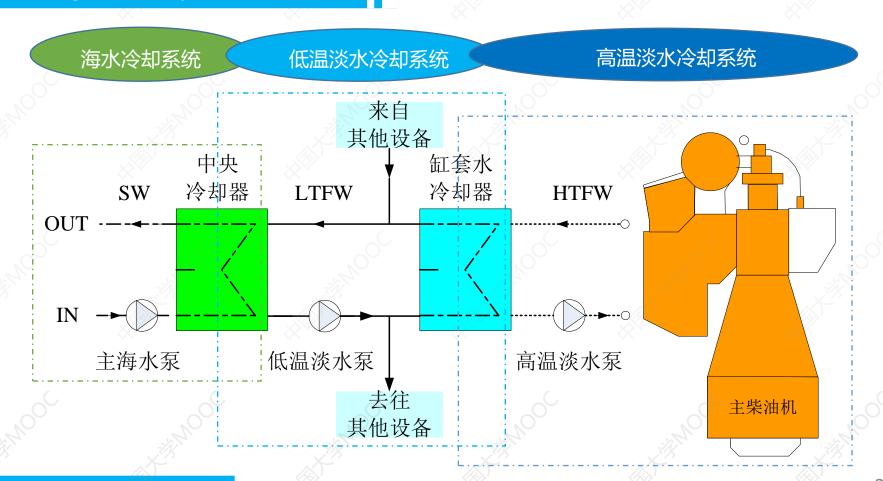
Acknowledgements: The technical contents of this presentation are mainly from the websites and training files of Wärtsilä, Win G&D and MAN Energy Solutions. Many thanks to them. Contact us: dmumde@163.com

※ 内容提要

- 燃油系统
- 滑油系统
- 冷却系统



X Cooling Water System

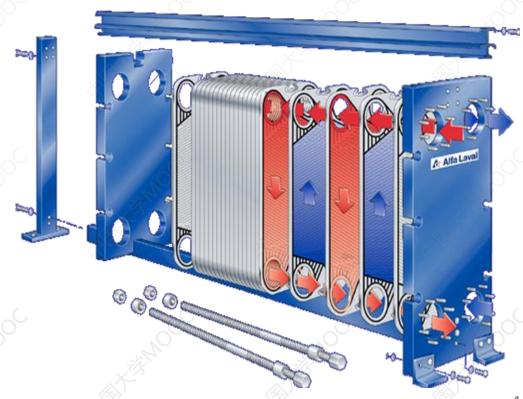


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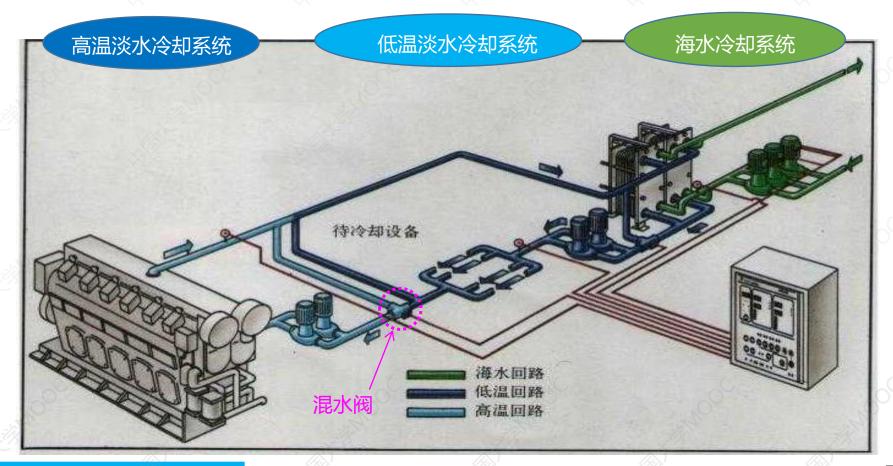
X Cooling Water System

• Plate-type heat exchanger: Backflushing; Dismantling.





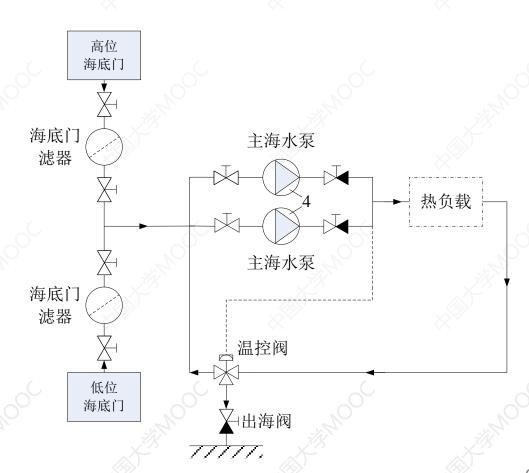
X Cooling Water System



Nº 冷却系统

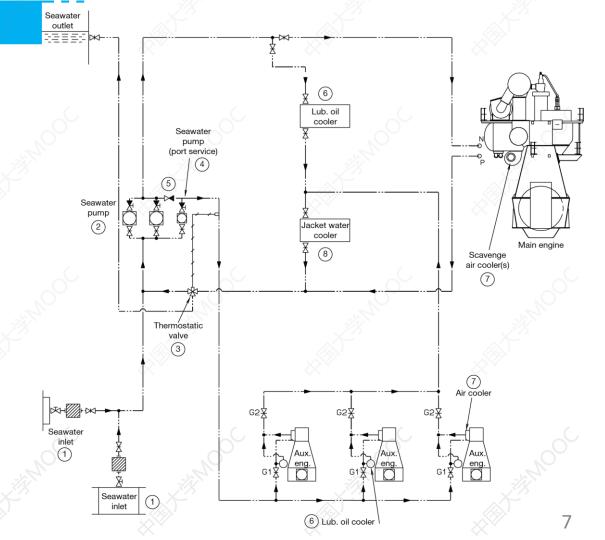
X Seawater Cooling System

- 海水冷却系统
 - Sea Chest change-over
 - ➤In port 高位
 - ➤At sea 低位
 - SC strainer cleaning
 - ○出海温控阀



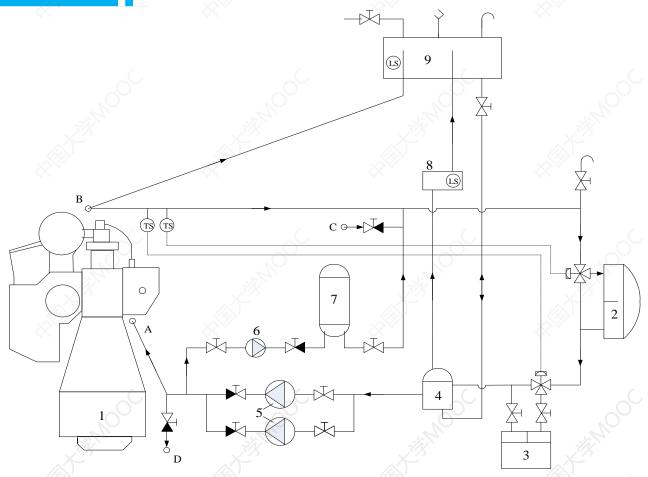
X Seawater Cooling System

• MAN G50ME-C9.5-TII



X Jacket Cooling Water System

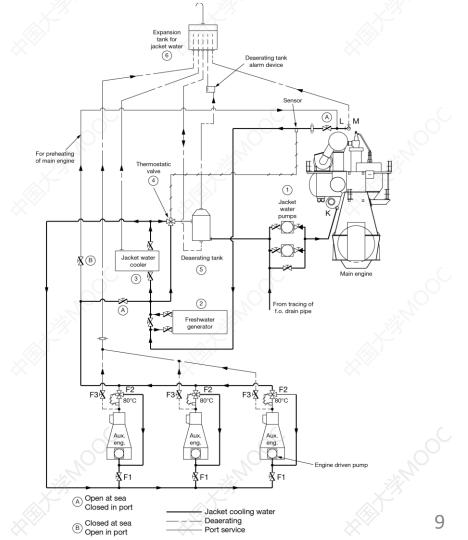
- 1-主机
- 2-造水机
- 3-缸套水冷却器
- 4-除气箱
- 5-缸套水泵
- 6-缸套水预热泵
- 7-缸套水预热器
- 8-报警装置箱
- 9-缸套水膨胀水箱
- A-主机缸套水进口
- B-主机缸套水出口
- C-来自副机缸套水
- D-去往副机缸套水



X Jacket Cooling Water System

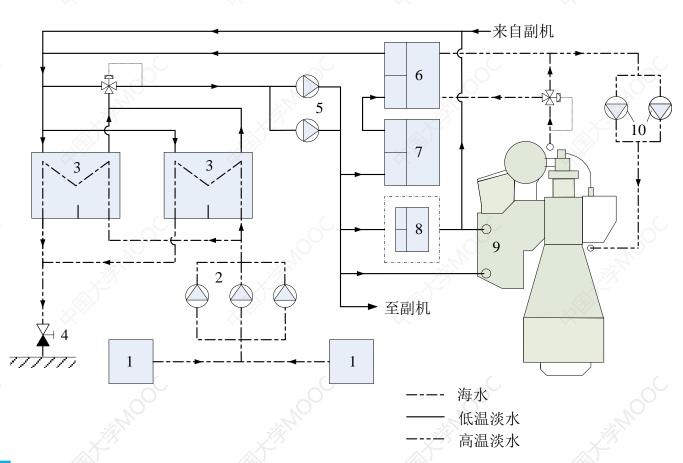
• MAN G50ME-C9.5-TII

- Expansion Tank for JCW:
 - 投药
 - ○补水
 - ○放气
 - ○提供热膨胀的余地
 - ○为淡水泵提供足够的吸入压头



X Central Cooling System

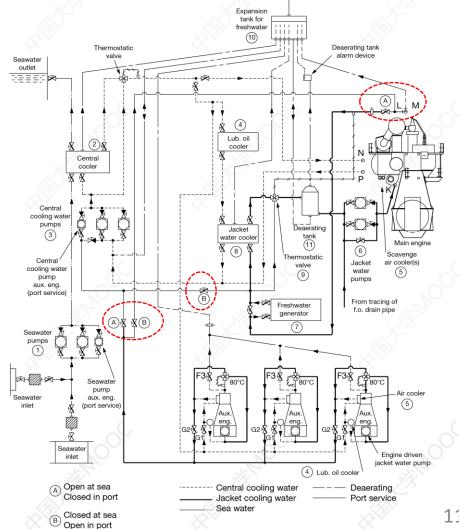
- 1-海底门
- 2-主海水泵
- 3-中央冷却器
- 4-出海阀
- 5-低温淡水泵
- 6-缸套水冷却器
- 7-滑油冷却器
- 8-各种辅助机械
- 9-主机空冷器
- 10-高温淡水泵



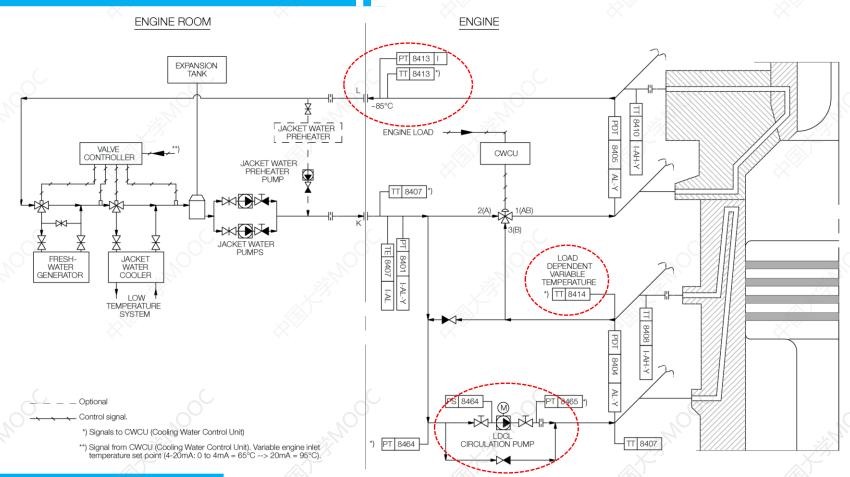
X Central Cooling System

MAN G50ME-C9.5-TII

- ❖Cooling at sea A open, B closed
- Preheating in port A closed, B open



X Load Dependent Cylinder Liner



№ 冷却系统

X Load Dependent Cylinder Liner

