

MAN | PrimeServ

# CERTIFICATE

We hereby confirm that

**Mr. Ralph Antoine Daou**

has attended the **48/60 & 51/60DF engine advanced maintenance** course in Augsburg provided by MAN Diesel & Turbo from June 18, 2018 until June 22, 2018

**The course content covered:**

- Engine design and supply systems (repetition)
- Main bearing maintenance
- Cylinder head advanced maintenance
- Replacement of valve guides and valve seat rings
- Re-machining of valve seat rings
- Grinding valve cones
- Connecting rod bearing maintenance
- Piston advanced maintenance
- Start air system maintenance
- Cylinder liner honing
- Vibration damper maintenance

Augsburg, June 22, 2018



Dr. Holger Gehring  
Head of PrimeServ Academy Augsburg

