Schematic for lubricating oil

1. Lubricating oil sump
2. Lubricating oil pump
3. Pressure limiting valve
4. Cylinder (lubricating oil-cooled)
   - The lubricating oil is used first to cool the engine.
5. Cylinder head
6. Lubricating oil return from the cylinders
7. Lubricating oil collection pipe to the thermostat
8. Thermostat
   - (engine cold) lubricating oil flow directly to the lubricating oil filter
   - (engine warm) lubricating oil flow through the lubricating oil cooler
9. Lube oil cooler
10. Lubricating oil filter
11. Main lube oil channel
12. Turbocharger
13. Pressure holding valve
14. Connection possibility for cab heating
   - The standard pressure holding valve must be replaced by a combination for this. Retrofitting only by authorized qualified personnel.
15. Lubricating oil filter console with integrated switching valve for controlling the hydraulic tappet.
   - When the engine is cold, lubricating oil is fed to the hydraulic tappet.
   - To achieve early adjustment of the fuel injection in a cold start, the hydraulic tappets under the fuel injectors are supplied with lubricating oil.
16. Hydraulic tappets