

26/9/23

A. Requirements (or) characteristics of boiler feed water

Specifications	Disadvantages
<ul style="list-style-type: none">* Boiler feed water have zero hardness.* It must be free from dissolved gases like O_2, and CO_2.* It should be free from suspended impurities.* It should be free from dissolved salt and alkalinity.	<ul style="list-style-type: none">* scales and sludges will be produced which prevents efficient heat transfer.* It leads to boiler corrosion.* Produce wet steam.* Produce caustic embrittlement which causes brittleness of boiler parts.

B. Boiler troubles (or) Boiler feed Water

* The water fed into the boiler for the production of steam is called boiler feed water.

C. Boiler troubles (or) Disadvantages of using hard water in boilers.

- * Formation of scales & sludges.
- * Priming & Foaming
- * Caustic Embrittlement
- * Boiler corrosion.

D. Formation of scales & sludges in boilers.

