

7. Make certain that positive charging lead is connected to positive terminal of battery and negative charging lead is connected to negative terminal of battery.

Dry charged batteries, after filling, will deliver 75% of their rated capacity without a freshening charge. In Diesel Export service it is a normal procedure to fill the battery with electrolyte and use the battery to start the engine, after which the engine is kept running until battery has completed its freshening charge and specific gravity has risen to a maximum (1.240 - 1.250 at 77°).

Bench Charging

If it is desired to give battery a bench charge before placing in service, the following procedure is recommended:

1. After completing the seven steps given above, charge at a rate of 20 amperes for 16 hours.

2. If temperature of electrolyte exceeds 125° F., reduce the charging rate and extend time accordingly until battery has received a total charge of 320 ampere hours.

3. If level of electrolyte drops during charge, replace with distilled water.

4. After charge has been completed, specific gravity should be between 1.240 or 1.250. If higher, remove some solution and replace with distilled water; if lower, remove some solution and replace with a higher specific gravity sulphuric acid.

5. If acid or water is added, charge for one hour to mix electrolyte thoroughly to obtain correct specific gravity reading.

Always keep battery clean by washing with water and if possible, dry off by blowing with a low pressure air hose.