Indexes that can be used

1. You are iterating through sailors anyways, indexes don’t help that much here.
2. Clustered B+ Tree index on the names of Sailors, to get the distinct names.
3. A Clustered B+ Tree index can be used on the sailors rating, so the cost of finding all the sailors with a rating above 7 is reduced.
4. A hash index on the bid in the Reserves table to easily find all sid’s of the Sailors that rented the boat with bid = 103.
5. A clustered B+ Tree index on the color in the Boats table to easily find all the red boats. Followed by a hash index on the bid in the Reserves table to be able to find the sid’s of Sailors associated with the bid easily. And finally a hash index on the sid in the Sailors table to retrieve the sname quickly.
6. - An unclustered hash index on the sname in the Sailors table to find “Lubber” easily

* An unclustered hash index on the sid to get all bid’s of boats rented by Lubber
* An unclustered hash index on the bid to get all the colors for a given bid.

1. - An unclustered hash index on the sid in Sailors to match reserves to Sailors easily
2. - not sure
3. - A clustered B+ Tree on the sname, to get easily all names starting with ‘B’.
4. - An unclustered hash index on the color in the table Boats

* An Unclustered hash index on bid in table reserves
* An Unclustered hash index on sid in table reserves

1. - An unclustered hash index on the color in the table Boats

* An Unclustered hash index on bid in table reserves
* An Unclustered hash index on sid in table reserves

1. - An unclustered hash index on the color in the table Boats

* An Unclustered hash index on bid in table reserves
* An Unclustered hash index on sid in table reserves

1. - An unclustered hash index on rating in table Sailors

* An unclustered hash index on bid in table Reserves

1. - Rien, tu scan de toute facon pour trouver le AVG.
2. - An unclustered hash index on rating in table Sailors
3. - A clustered B+ Tree index on age in the table Sailors, or at least an unclustered hash index.
4. - A clustered B+ Tree index on sid in the table Sailors
5. - A clustered B+ Tree index on sid in the table Sailors
6. - A clustered B+ Tree index on rating in the table Sailors
7. - A Clustered B+ Tree index on age in the table Sailors