

SEASTAR POWER STEERING CROSS-OVER RELIEF VALVE Part# HP5822

We have recently been advised of a few isolated incidents where the SeaStar Cross Over Relief valve (part # HP5822) relief pressure may have been set incorrectly. This could potentially cause partial steering articulation i.e. rudder may not move its full distance, resulting in a larger turning radius. Teleflex feels it prudent that vessels built in January 2003 through June 2004 with the HP5822 valve pressure verified and set to the appropriate level (1200 psi).

Pressure Adjustment Procedure

1. Remove the end cap using a suitable set of pliers or vice grips. Refer to Figure A. **DO NOT** remove entire cartridge valve.
2. Using a 1/4" Allen key, turn the adjusting screw clockwise until it bottoms out while counting the number of turns. Refer to Figure B.

NOTICE If it took more than 3.5 turns to bottom out the adjuster, the factory setting was most likely incorrect. For example: at 7 turns, the pressure setting was approximately 600 psi.

3. After bottoming out the screw, back the adjusting screw out 3.5 turns. Valve is now set to correct pressure of ~1200 psi.

CAUTION **DO NOT** leave the adjusting screw bottomed out. This closes the valve completely, providing no pressure relief at all. Running without cross over relief may result in system damage.

4. Reinstall cartridge end cap.
5. Repeat steps 1 through 4 on the other cartridge.
6. Verify correct steering operation.

