Project description: Some deformation has been found on the AFT drill floor skid beam on the Monarch. The underlying cause and the time frame that caused this permanent deformation are not known. Early indication from Operations suggests that this may have been formed at the time that the rig was suffering from the effect of scouring. However, there is no incident report available to confirm or give out the detailed information of this phenomenon.

For more information about Laser Scan Technique visit [http://www.zf-laser.com/](http://www.zf-laser.com/)

Engage
Upload your problem to us and give us relevant input to allow us to resolve your problem we will need:

1. As built of structure to prepare 3D model.
2. Static loads
3. Detailed information about skid beam moving system.

Key word: Monarch, Jack-up, Transocean, Skid Beam, Scaling, Flange damaged, local buckling, laser scan, post process, point cloud