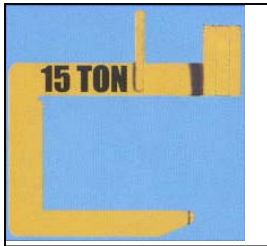


Interpretation of Sections of ASME B30.20 Standard

(For complete standard click on link below)

<http://store.asme.org/product.asp?catalog%5Fname=Codes+and+Standards&category%5Fname=&product%5Fid=J1000Q>



ASME B30.20 Below-The Hook Lifting Devices

Section 20-1.3: Sets guide lines for inspecting and testing Below-The-Hook Lifting Devices. Frequent visual inspections shall be made by the end user with frequency being based on severity of use. Periodic visual inspection shall be made by a designated person with frequency being based on severity of use. Records of periodic inspections or an external mark on the lifter as proof of inspection shall be maintained.



Criteria for removal from service include such things as; distortion, wear, loose or missing guards/nameplates, loose bolts or fasteners, cracked or worn gears, pulleys, sheaves, sprockets, bearings, chains and belts, and or cracks. It is important to note that cracks generally can not be seen with the naked eye and require special testing such as but not limited to a magnetic particle inspection or a liquid penetrant inspection.



New, altered, modified or repaired lifting devices should be tested before they are put into use. Test loads shall not be greater than 125% of the rated load unless recommended by the manufacturer. After load test the lifter should be visually inspected for deformation, cracks and or other defects. It is important to note that cracks generally can not be seen with the naked eye and require special testing such as but not limited to a magnetic particle inspection or a liquid penetrant inspection.