



HFE ITEMS IN MACHINERY SAFETY CHECKLIST	
CRITERIA	DESCRIBE REPOSE
1. Has equipment handling hazardous fluids been designed so that it can be drained and purged prior to opening for repairs?	
2. For vertical can pumps pumping hazardous fluids, have provisions been made to evacuate the fluid (e.g. drain tube) and inert the equipment prior to opening for repairs?	
3. Have the startup and placing into operation of spare pumps been studied to avoid hazards from check valve failures leading to reverse rotation?	
4. Have radial vibration detection and alarm systems been provided for special purpose steam turbines, centrifugal compressors, axial compressors, gas turbines, 2000HP and larger pumps/motors?	
5. Have emergency shutdown switches been provided? Are they operator accessible to allow for a safe shutdown?	