

Item / Function / Requirement	Potential Failure Mode	Potential Effect(s) of Failure	S E V	Classification	Potential Cause(s) of Failure	O C C	Current Design Controls Prevention	Current Design Controls Detection	D E T	R P N	Recommended Action
Power steering pump / Transforms rotational speed and torque at the shaft into oil flow and pressure / pressure (xx psi), flow rate (xx lpm)	Excessive pressure (more than xx psi)	End user: Steering efforts drop (less effort at higher tie rod end loads), loss of hydraulic assist Steering System: Excess pressure to gear and hoses Pump: Fluid leakage, fractured housing, pump inoperable	8		Pressure relief incorrectly specified on drawing	7	Pressure relief valve design guidelines	Bench rig test for function (5)	5	280	Review results of function test to confirm successful pressure and flow rates achieved