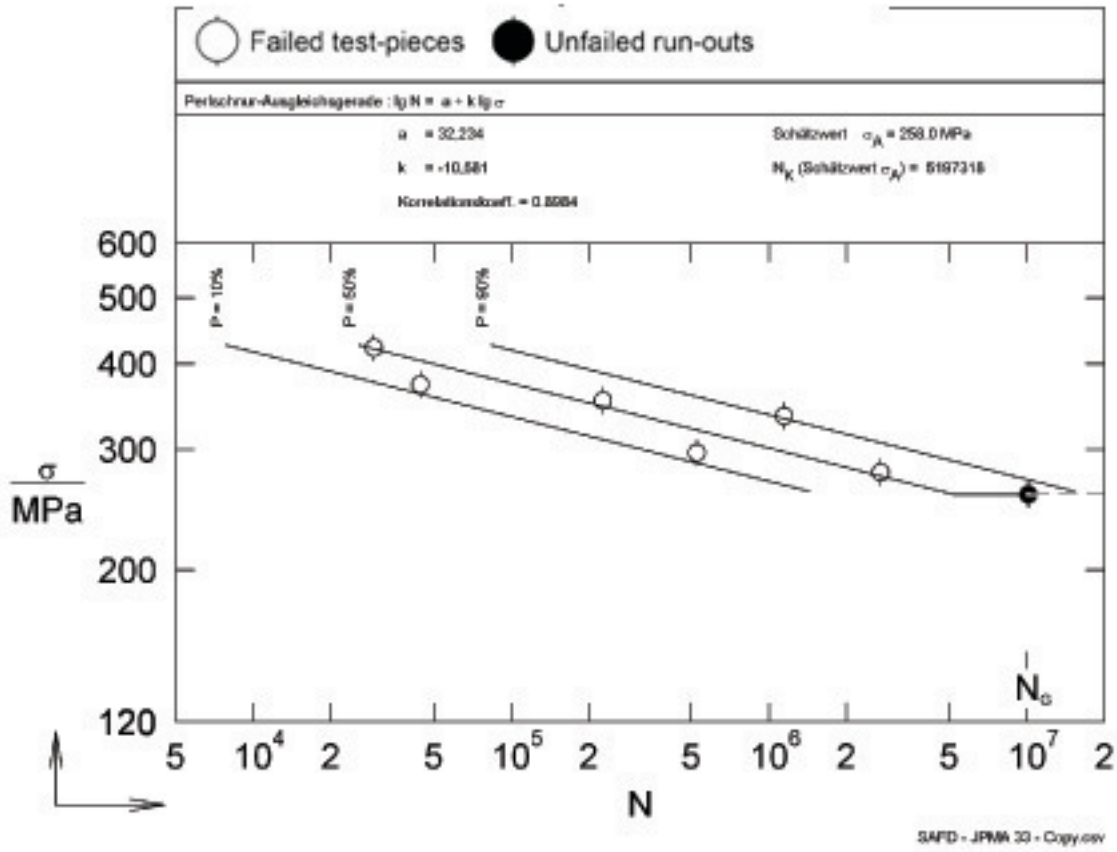

Material:	Fe-2 %Cu-0.8 %C; water atomized iron							
	sintering: 1130 °C; 30 min, dissociated ammonia							
	heat treatment: quenched and tempered; 850 °C; 60 min; oil quench; 200 °C; 60 min							
	density: 6.87 g/cm^3							
	mech. properties: H = 71 HRA; $R_{p0.2}$ = -; R_m = 718 MPa							
Specimen:	smooth, K_t = 1.0; surface as sintered							
Loading mode:	plane bending, R = -1							
Limiting no. of cycles:	10^7							
Endurance limit:	255MPa (258 MPa this evaluation)							
Reference:	M. Onoda: Fatigue Strength of Sintered Structural Component Materials; Japan Powder Metallurgical Association, Tokyo, 1983 (in Japanese)							
Stress amplitude:	258	278	297	336	354	373	422	MPa
Cycles to failure:	10092.529	2710.192	526.017	1145.513	226.464	44.361	29.309	· 1000