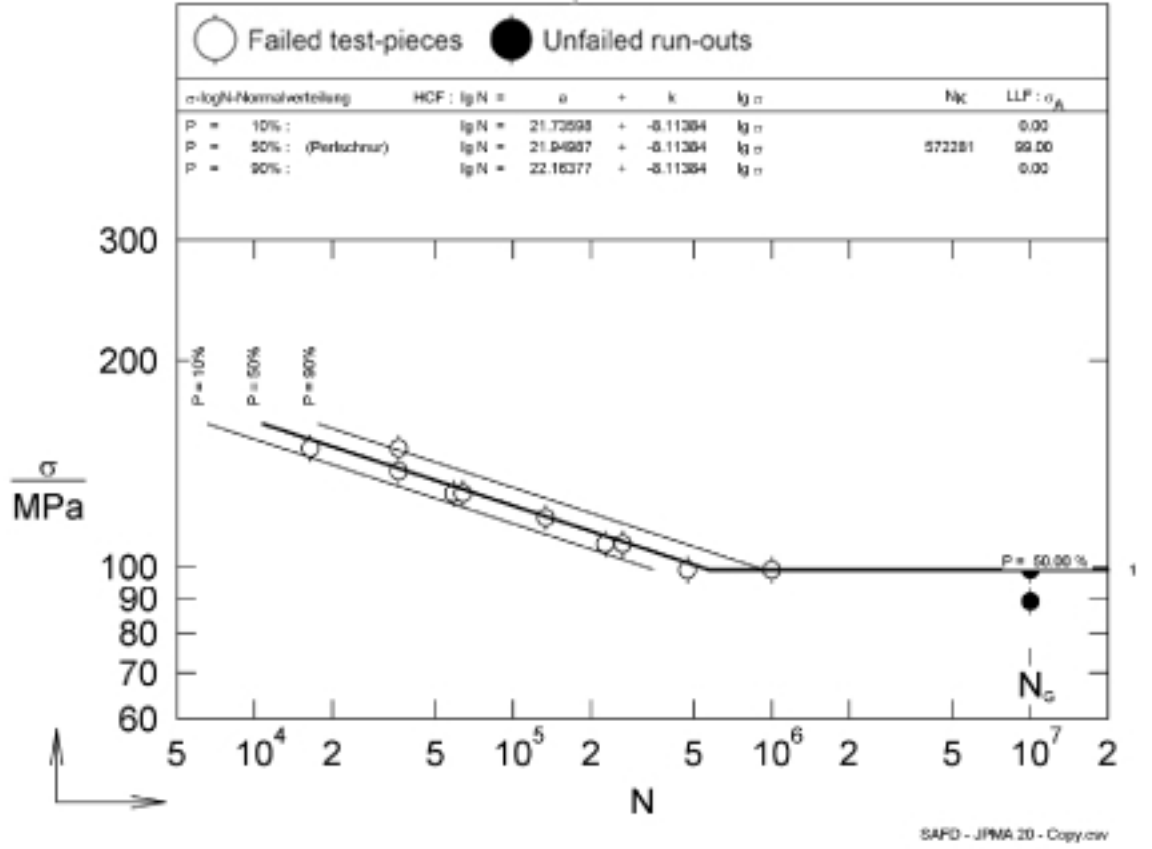

Material:	Fe-1.5 % Cu - 0.5 % C; sponge iron
	sintering: 1130 °C, 20 min, endogas
	heat treatment: -
	density: 6.22 g/cm^3
	mech. properties: H = 37 HRB; $R_{p0.2}$ = -; R_m = 265 MPa
Specimen:	smooth, K_t = 1.0; surface machined
Loading mode:	rotary bending, R = -1
Limiting no. of cycles:	10^7
Endurance limit:	93 MPa (99 MPa this evaluation)
Reference:	M. Onoda: Fatigue Strength of Sintered Structural Component Materials; Japan Powder Metallurgical Association, Tokyo, 1983 (in Japanese)

Stress amplitude:	89	99	108	118	128	138	149	MPa
Cycles to failure:	10000.000	473.151	226.464	133.352	58.749	36.058	16.444	· 1000
		1000.000	264.850		63.826		36.058	
		10000.000						