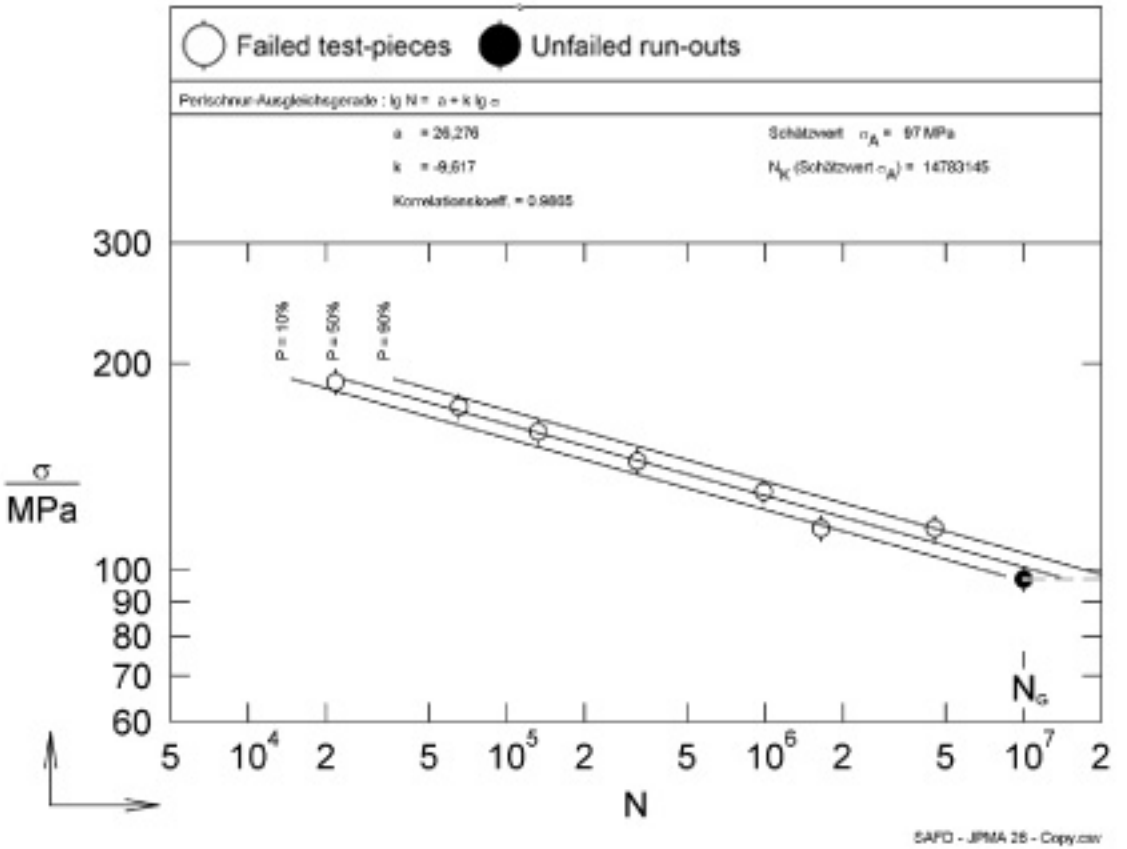

Material:	Fe-1.5 % Cu; sponge iron
	sintering: 1120 °C, 35 min, endogas
	heat treatment: -
	density: 6.72 g/cm^3
	mech. properties: H = 50 HRB; $R_{p0.2}$ = -; R_m = 399 MPa
Specimen:	smooth, K_t = 1.0; surface machined
Loading mode:	rotary bending, R = -1
Limiting no. of cycles:	10^7
Endurance limit:	98 MPa (97 MPa this evaluation)
Reference:	M. Onoda: Fatigue Strength of Sintered Structural Component Materials; Japan Powder Metallurgical Association, Tokyo, 1983 (in Japanese)

Stress amplitude:	97	115	130	144	159	173	188	MPa
Cycles to failure:	10000.000	1648.162 4528.976	988.553	320.627	132.130	65.464	21.777	· 1000