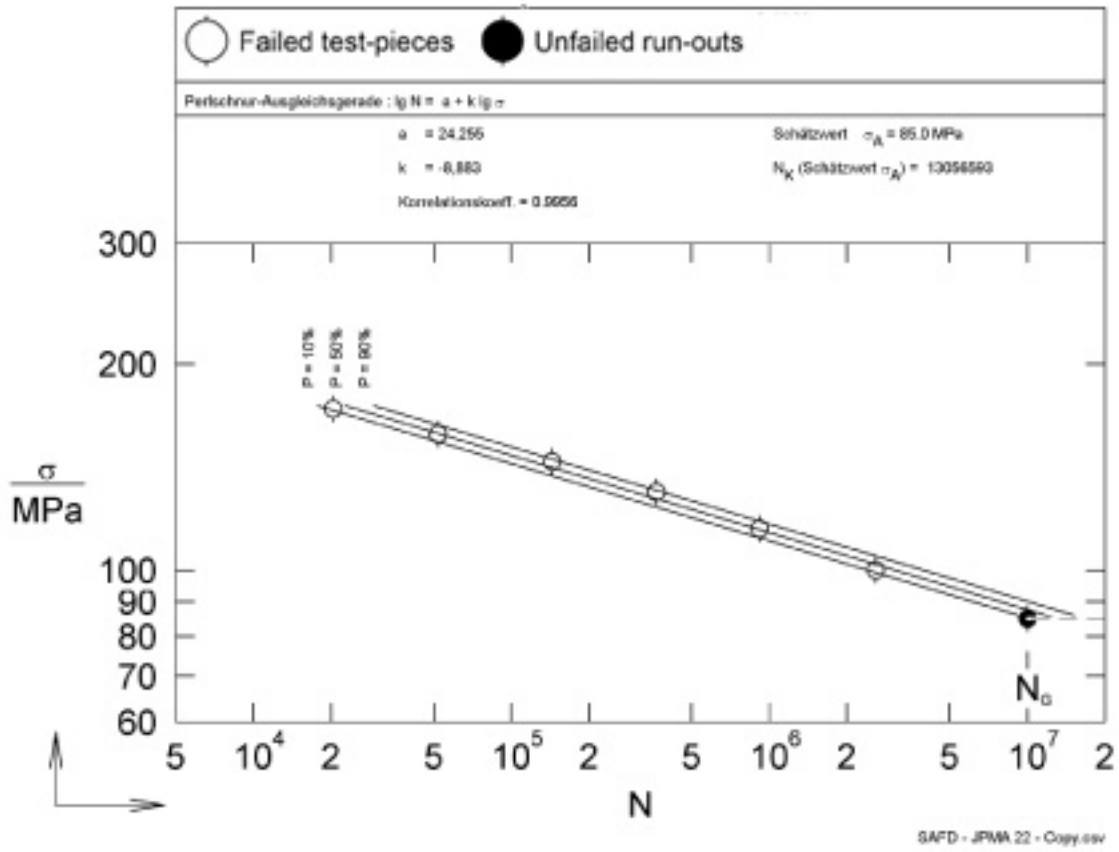

Material:	Fe-1.5 % Cu; sponge iron
	sintering: 1120 °C, 35 min, endogas
	heat treatment: -
	density: 6.51 g/cm³
	mech. properties: H = 40.5 HRB; $R_{p0.2}$ = -; R_m = 301 MPa
Specimen:	smooth, K_t = 1.0; surface machined
Loading mode:	rotary bending, R = -1
Limiting no. of cycles:	10^7
Endurance limit:	86 MPa (85 MPa this evaluation)
Reference:	M. Onoda: Fatigue Strength of Sintered Structural Component Materials; Japan Powder Metallurgical Association, Tokyo, 1983 (in Japanese)

Stress amplitude:	85	100	115	130	144	158	172	MPa
Cycles to failure:	10000.000	2582.260	916.220	365.595	143.549	51.880	20.370	· 1000