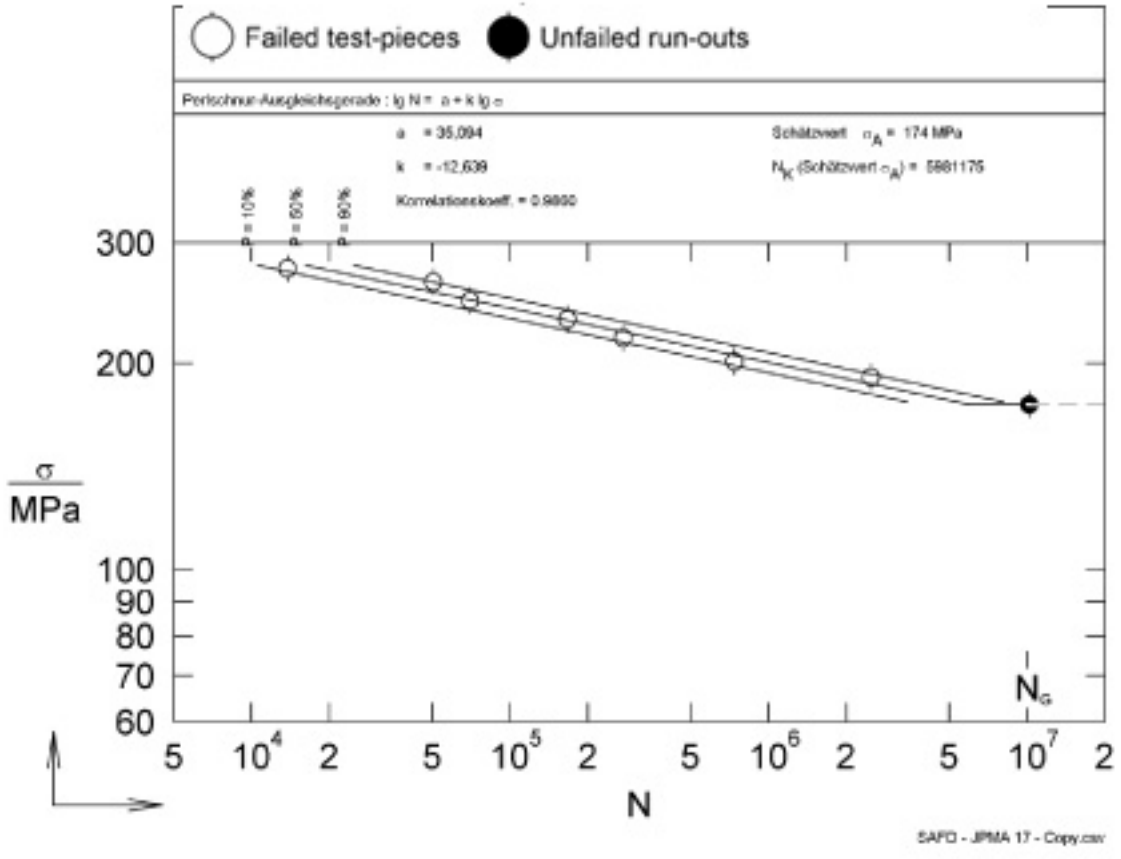

Material:	Fe-1.5 % Cu; sponge iron
	sintering: 1120 °C, 35 min, endogas
	heat treatment: case hardened with 0.8 % carbon potential; 900 °C, 60 min + 850 °C, 30 min; oil quench; 180 °C, 90 min
	density: 6.28 g/cm^3
	mech. properties: H = 23.2 HRC; $R_{p0.2}$ = -; R_m = 393 MPa
Specimen:	smooth, K_t = 1.0; surface machined
Loading mode:	rotary bending, R = -1
Limiting no. of cycles:	10^7
Endurance limit:	174 MPa
Reference:	M. Onoda: Fatigue Strength of Sintered Structural Component Materials; Japan Powder Metallurgical Association, Tokyo, 1983 (in Japanese)

Stress amplitude:	174	191	201	218	232	247	263	275	MPa
Cycles to failure:	10185.910	2494.595	739.605	274.157	166.725	69.984	50.582	13.804	· 1000