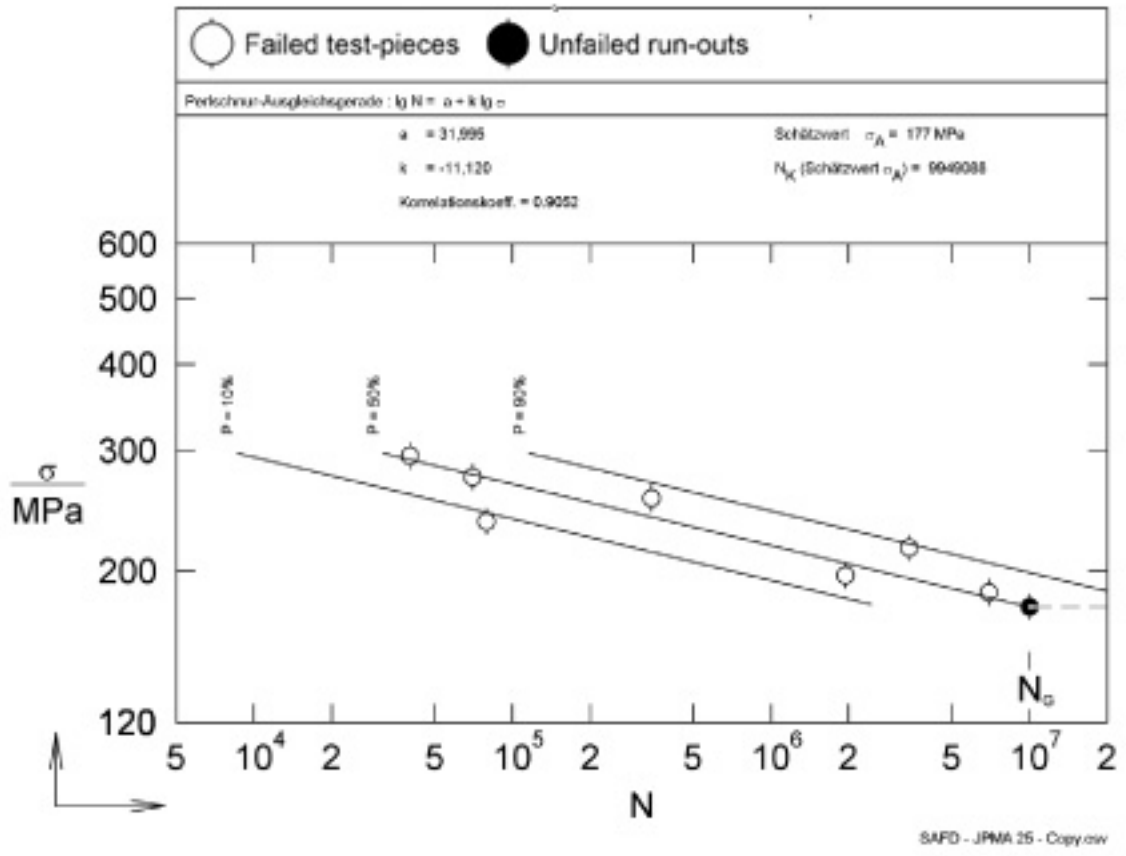

Material:	Fe-2 %Cu-0.8 %C; sponge iron								
	sintering: 1130 °C; 30 min, dissociated ammonia								
	heat treatment: quenched and tempered; 850 °C; 60 min; oil quench; 200 °C; 60 min								
	density: 6.50 g/cm^3								
	mech. properties: H = 52 HRA; $R_{p0.2}$ = -; R_m = 487 MPa								
Specimen:	smooth, K_t = 1.0; surface as sintered								
Loading mode:	plane bending, R = -1								
Limiting no. of cycles:	10^7								
Endurance limit:	177 MPa								
Reference:	M. Onoda: Fatigue Strength of Sintered Structural Component Materials; Japan								
	Powder Metallurgical Association, Tokyo, 1983 (in Japanese)								
Stress amplitude:	177	186	197	216	236	255	274	294	MPa
Cycles to failure:	10000.000	6966.265	1945.360	3419.794	79.433	345.144	69.984	40.179	1000