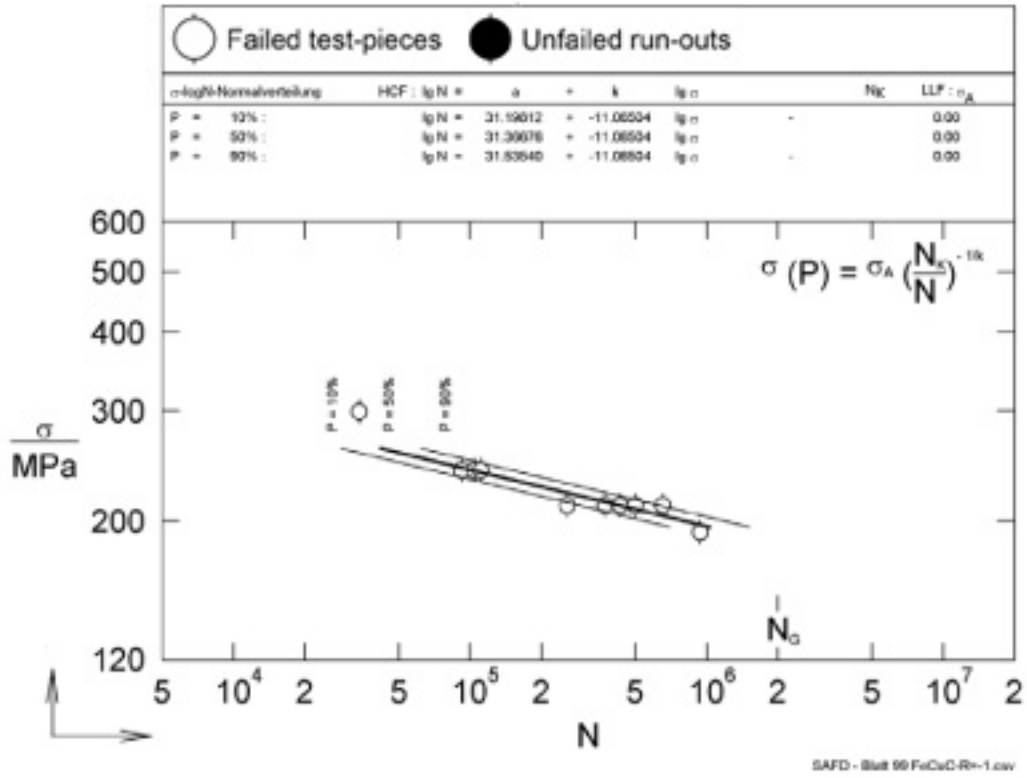

Material:	Fe-1.5 % Cu-0.6 % C; iron: water atomised
	carbon: not specified; sintering: 1120 °C, 30 min, 70 % N_2 + 30 % H_2
	heat treatment: 840 °C, 1h; oil 60 °C; 430 °C, 1h
	density: 6.8 ± 0.05 g/cm^3
	mech. properties: H = 252 HB 2.5/62.5; $R_{p0.2}$ = 730 MPa; R_m = 750 MPa
Specimen:	rectangular bar 90 x 11 x 5, central hole ∅ 2 mm, hole compacted, K_t = 2.0; surface as sintered
Loading mode:	plane bending, R = -1; 25 Hz
Limiting no. of cycles:	$2 \cdot 10^6$
Endurance limit:	173 MPa (extrapolated)
Reference:	C.M. Sonsino: Schwingfestigkeit von verschiedenen Sinterstählen und Bemessungskriterien für gesinterte Bauteile; LBF-Report No. FB-170; Fraunhofer-Institut für Betriebsfestigkeit, Darmstadt, 1984

Stress amplitude:	192	212	241	299	MPa
Cycles to failure:	937,497	257,022	92,039	33,960	· 1000
		372,366	104,465		
		431,459	111,165		
		499,929			
		651,583			