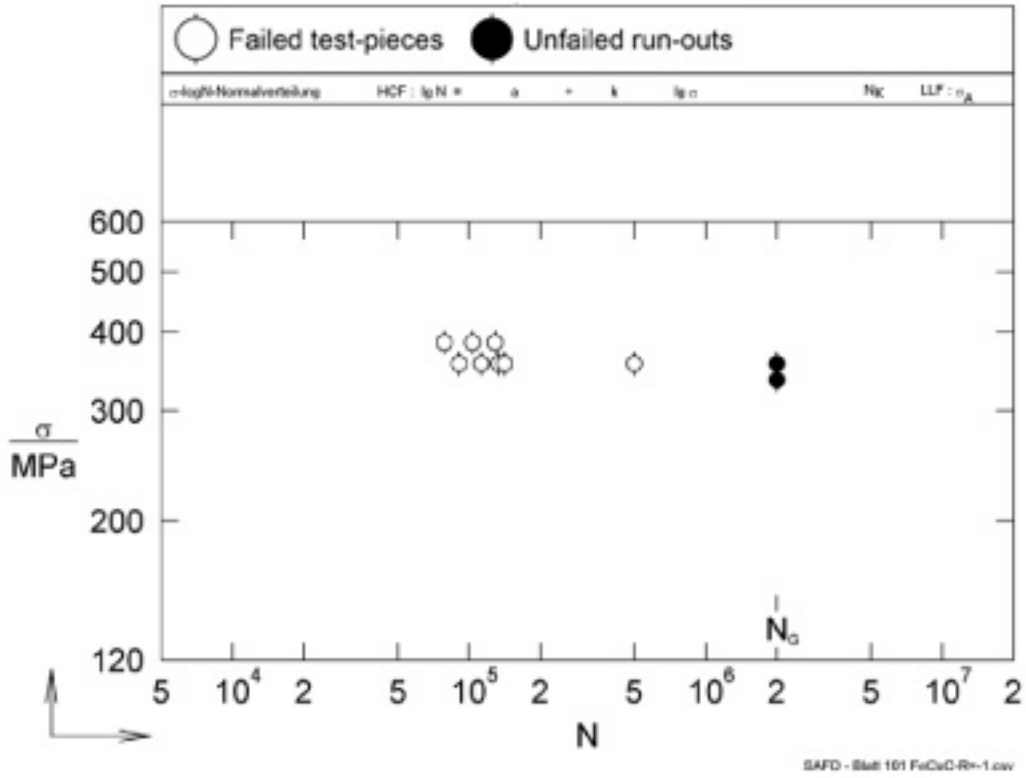

Material:	Fe-1.5 % Cu-0.6 % C; iron: water atomised
	carbon: not specified; sintering: 1120 °C, 30 min, 70 % N_2 + 30 % H_2
	heat treatment: 840 °C, 1h; oil 60 °C; 430 °C, 1h
	density: 7.1 ± 0.05 g/cm^3
	mech. properties: H = 312 HB 2.5/62.5; $R_{p0.2}$ = 773 MPa; R_m = 810 MPa
Specimen:	smooth, K_t = 1.0; ISO 3928; surface as sintered
Loading mode:	plane bending, R = -1; 25 Hz
Limiting no. of cycles:	$2 \cdot 10^6$
Endurance limit:	307 MPa (decided)
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:	336	356	385	MPa
Cycles to failure:	2000.000	90,567	78,518	· 1000
		112,453	103,269	
		132,730	128,816	
		141,244		
		500,000		
		2000.000		