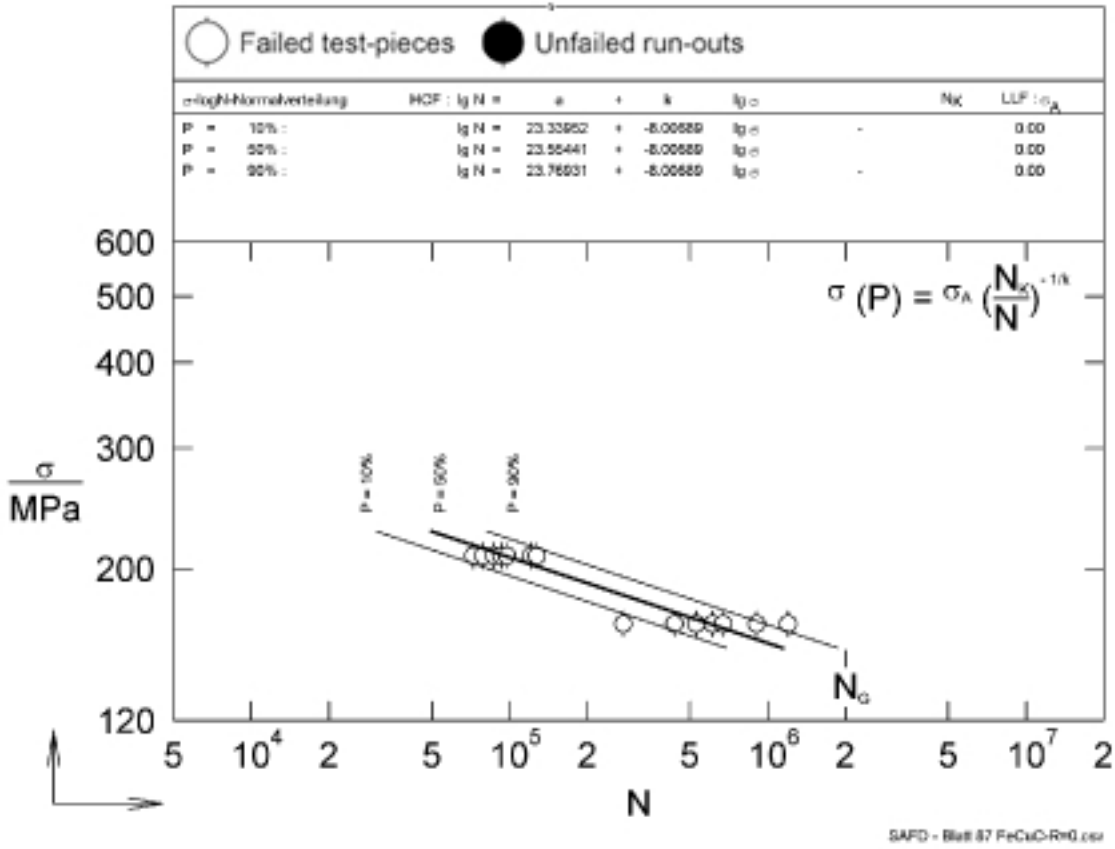

Material:	Fe-1.5 % Cu carbonitrided; iron: water atomised
	sintering: 1120 °C, 30 min, 70 % N_2 + 30 % H_2
	heat treatment: 920 °C, 3.5 h, endogas with 0.17 % CO_2 + NH_3; oil 60 °C;
	no tempering mentioned; case depth: through hardened
	density: 6.8 ± 0.05 g/cm^3
	mech. properties: H = 537 HV10; $R_{p0.2}$ = -; R_m = 625 MPa
Specimen:	rectangular bar 90 x 11 x 5, central hole ∅ 2mm, hole compacted, K_t = 2.0; surface as sintered
Loading mode:	plane bending, R = 0; 25 Hz
Limiting no. of cycles:	$2 \cdot 10^6$
Endurance limit:	144 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:	166	209	MPa
Cycles to failure:	275,404	72,439	· 1000
	434,480	78,881	
	527,193	87,090	
	610,857	92,677	
	669,838	97,492	
	905,670	121,051	
	1199.416	127,342	