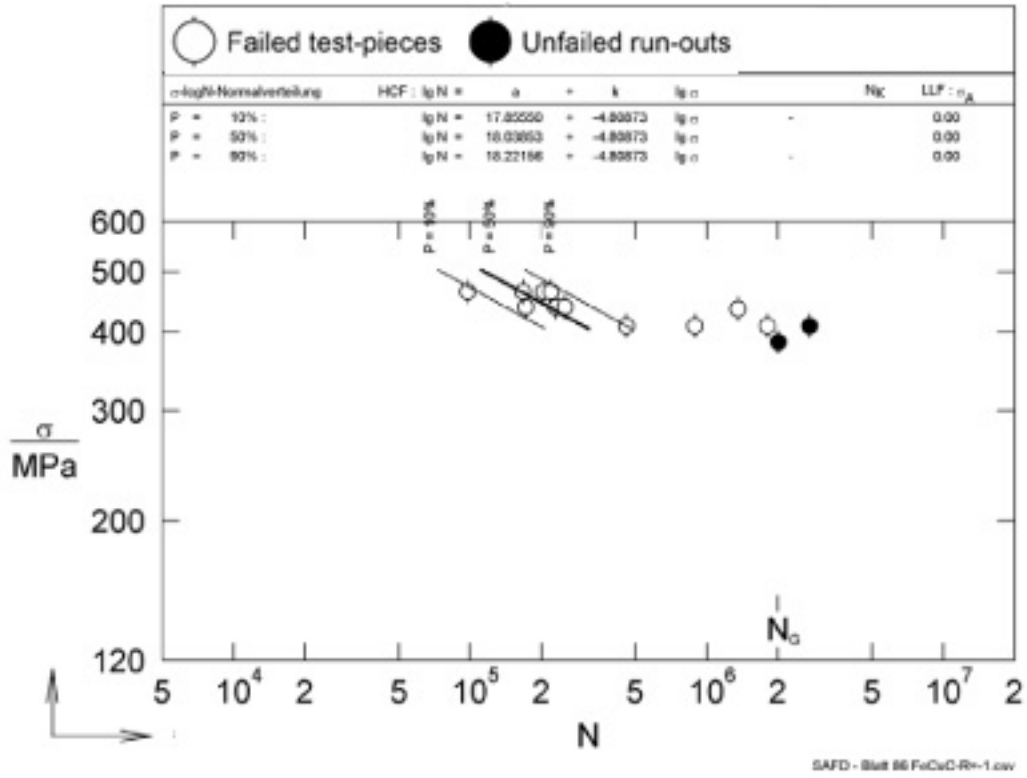

Material:	Fe-1.5 % Cu carbonitrided; iron: water atomised copper: sintering: 1120 °C, 30 min, 70 % N_2 + 30 % H_2 heat treatment: 920 °C, 3.5 h, endogas with 0.17 % CO_2 + NH_3; oil 60 °C; no tempering mentioned; case depth: through hardened density: 6.8 ± 0.05 g/cm^3 mech. properties: H = 537 HV10; $R_{p0.2}$ = -; R_m = 625 MPa
Specimen:	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:	390 MPa
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:	386	409	436	439	464	MPa
Cycles to failure:	2004.334	458,110	1358.22	171,779	97,717	· 1000
		891,189		229,599	167,098	
		1807.049		250,594	203,690	
		2722.513			219,771	