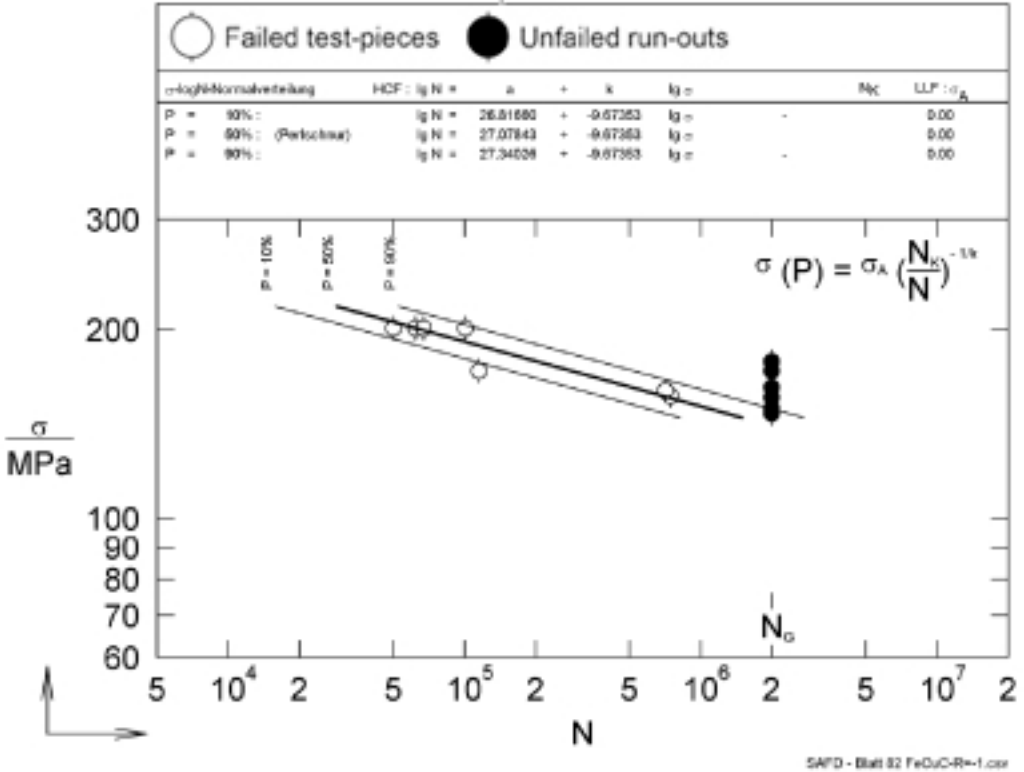

Material:	Fe-1.5 % Cu carbonitrided; iron: water atomised
	sintering: 1120 °C, 30 min, 70 % N_2 + 30 % H_2
	heat treatment: 920 °C, 3.5 h, endogas with 0.17 % CO_2 + NH_3; oil 60 °C;
	no tempering mentioned; case depth: through hardened
	density: 6.8 ± 0.05 g/cm³
	mech. properties: H = 537 HV10; $R_{p0.2}$ = -; R_m = 625 MPa
Specimen:	rectangular bar 90 x 11 x 5, central hole ∅ 2mm, hole compacted, K_t = 2.8; surface as sintered
Loading mode:	axial, R = -1; 25 Hz
Limiting no. of cycles:	$2 \cdot 10^6$
Endurance limit:	160 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:	147	150	156	157	160	162	172	178	201
Cycles to failure:	2000.000	2000.000	2000.000	746,397	709,529	2000.000	115,072	2000.000	50,000
							2000.000		62,083
									67,293
									100,918