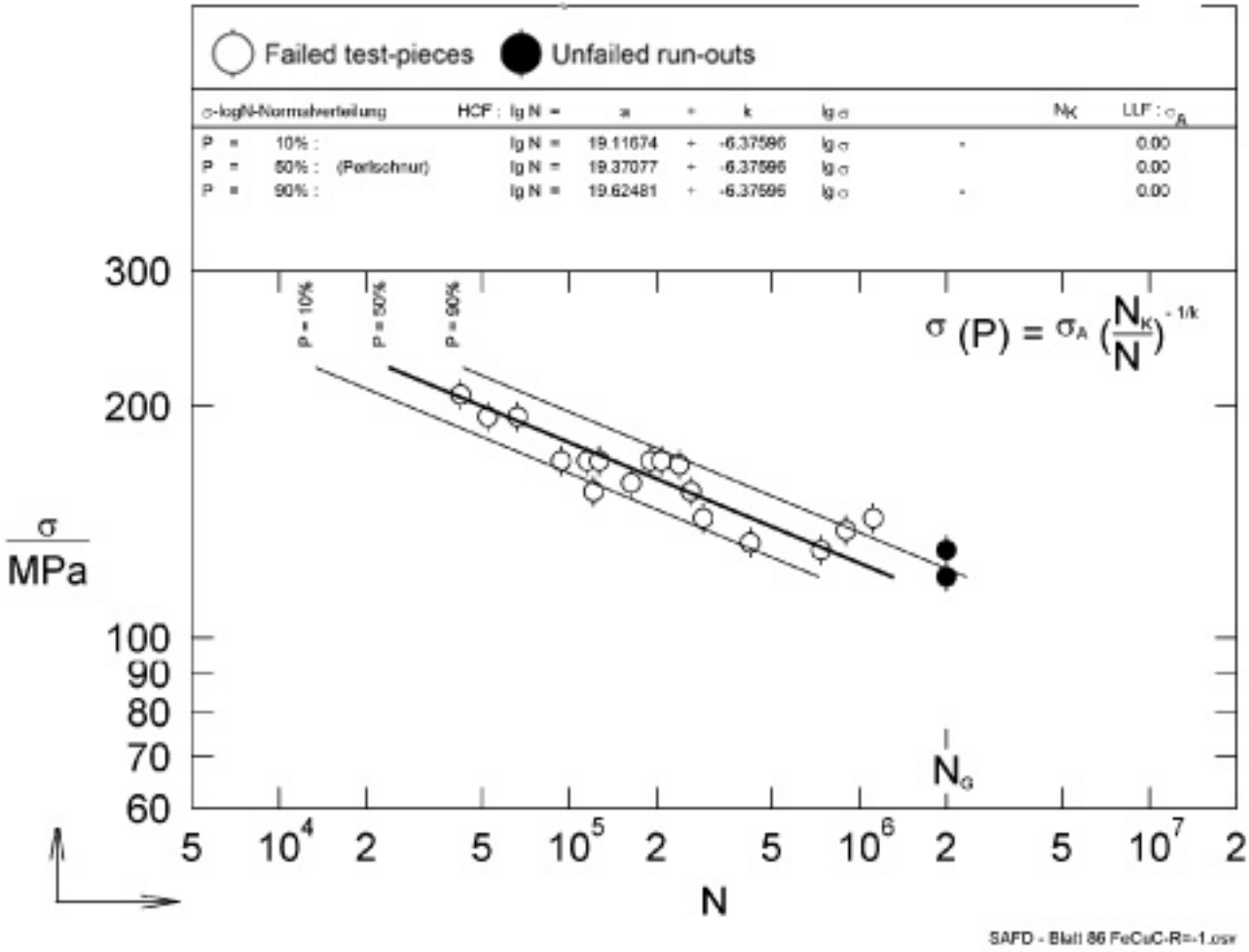

Material:	Fe-1.5 % Cu-0.6 % C; iron: water atomised copper: carbon: not specified; sintering: 1120 °C, 30 min, 70 % N_2 + 30 % H_2 heat treatment: - density: 7.19 g/cm^3 mech. properties: H = 142 HV10; $R_{p0.2}$ = 389 MPa; R_m = 483 Mpa
Specimen:	hourglass, ∅ 6 mm, shaft ∅ 10 mm, curvature R 18 , K_t = 1.0; surface
Loading mode:	torsion; R = -1; 25Hz
Limiting no. of cycle	$2 \cdot 10^6$
Endurance limit:	119 MPa
Reference:	C.M. Sonsino: Ermittlung anwendungsrelevanter Kenngrößen für Sintermetalle. LBF-Report N 158: Fraunhofer-Institut für Betriebsfestigkeit, Darmstadt, 1981

Stress amplitude:	120	130	133	138	143	155	159	168	170	194	20
Cycles to failure:	2000.000	737.853	420.698	901.509	289.714	121.051	163.670	239.867	93.750	52.356	42.16
		2000.000			1119.361	263.009			115.072	66.217	
									126.756		
									190.095		
									207.955		