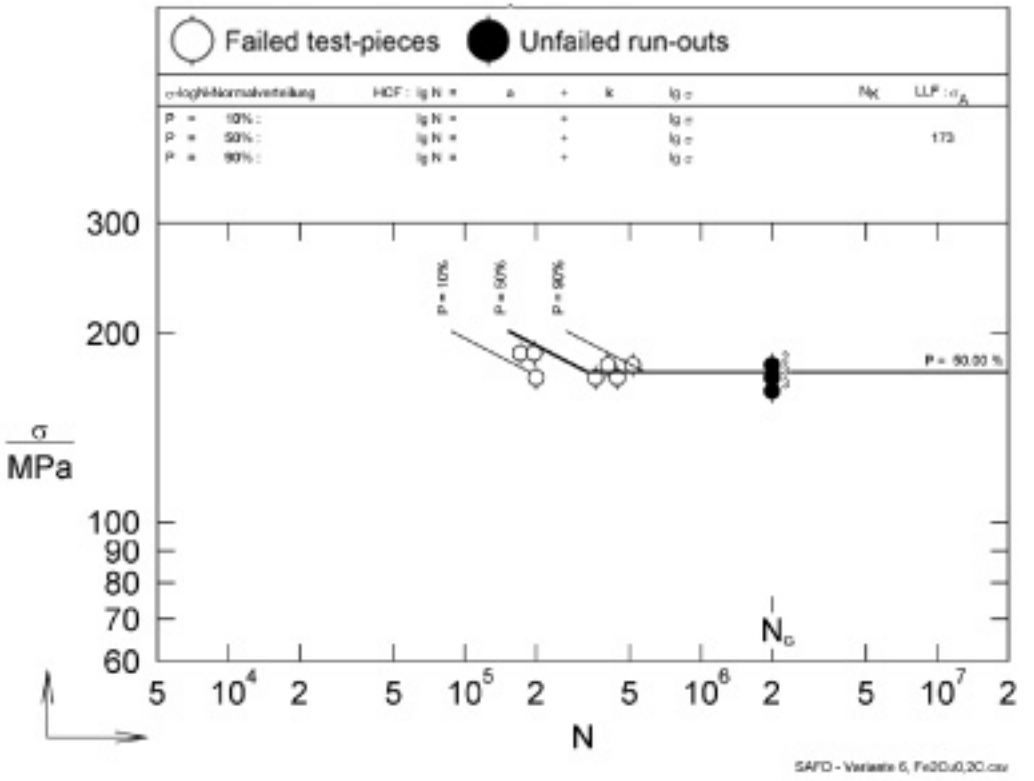

Material:	Fe-2 % Cu - 0.2 % C; iron: water atomised ASC 100.29
	copper: - 100 mesh, carbon: graphite UF4
	sintering: 750 °C, 20 min, 90 % N_2 + 10 % H_2; repressed; 1120 °C, 30 min, endogas with controlled carbon potential
	heat treatment: -
	density: 7.18 g/cm^3; double pressed, double sintered
	mech. properties: -
Specimen:	smooth, K_t = 1; ISO 3928; surface as sintered[1]
Loading mode:	axial; R = -1
Limiting no. of cycles:	2 · 10^6
Endurance limit:	175 MPa[1] (173 MPa this evaluation)
Reference:	A. Bergmark: Materialdata för PM-Stål med Varierade Ytor och Geometrier; Jernkontorets Forskning Report, Series D, No. 763; Jernkontoret, Stockholm, 1999

Stress amplitude:	162	170	178	186	MPa
Cycles to failure:	2000.000	200.802	403.140	172.281	· 1000
	2000.000	357.416	512.144	197.047	
	2000.000	442.030	2000.000		
		2000.000	2000.000		
		2000.000			
		2000.000			

[1]With burs removed by millling, a staircase test with 12 specimens gave an endurance limit of 164 MPa.