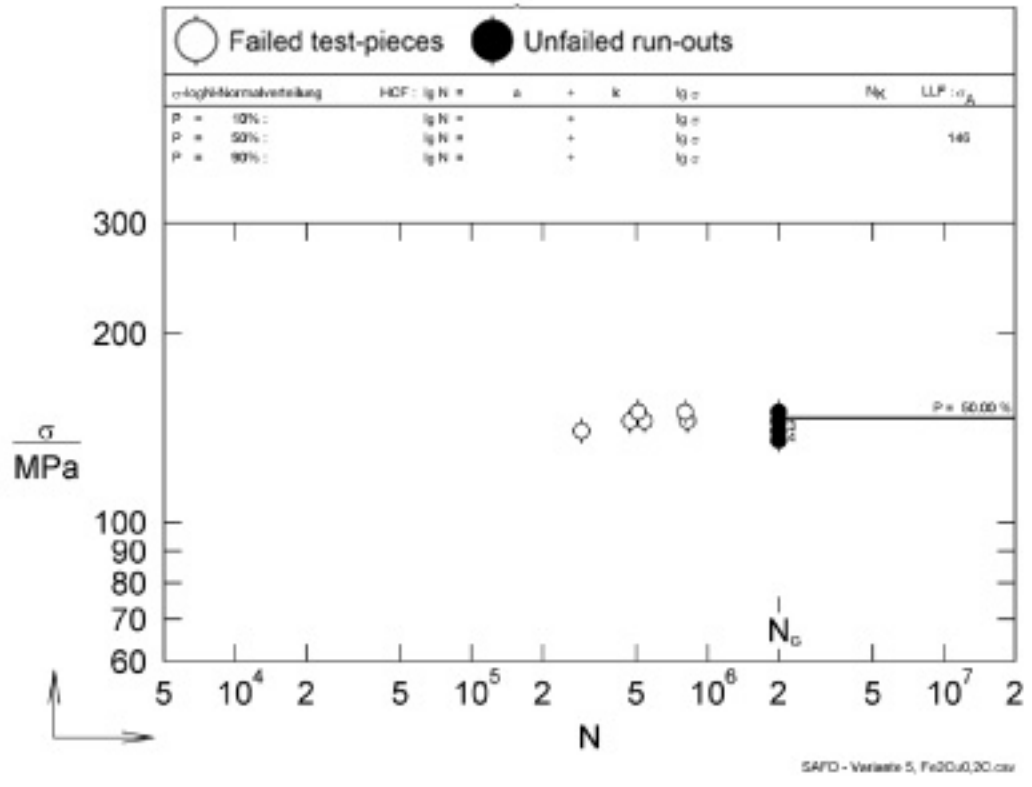

Material:	Fe-2 % Cu - 0.2 % C; iron: water atomised ASC 100.29
	copper: - 100 mesh, carbon: graphite UF4
	sintering: 1120 °C, 30 min, endogas with controlled carbon potential
	heat treatment: -
	density: 7.01 g/cm^3
	mech. properties: -
Specimen:	smooth, K_t = 1; ISO 3928; surface as sintered[1]
Loading mode:	axial; R = -1
Limiting no. of cycles:	$2 \cdot 10^6$
Endurance limit:	143 MPa[1] (146 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:	135	140	145	150	MPa
Cycles to failure:	2000.000	291.764	469.345	507.860	· 1000
		2000.000	539.901	800.706	
		2000.000	821.219	2000.000	
		2000.000	2000.000		
		2000.000	2000.000		
			2000.000		

[1]With burs removed by millling, a staircase test with 10 specimens gave an endurance limit of 139 Mpa.