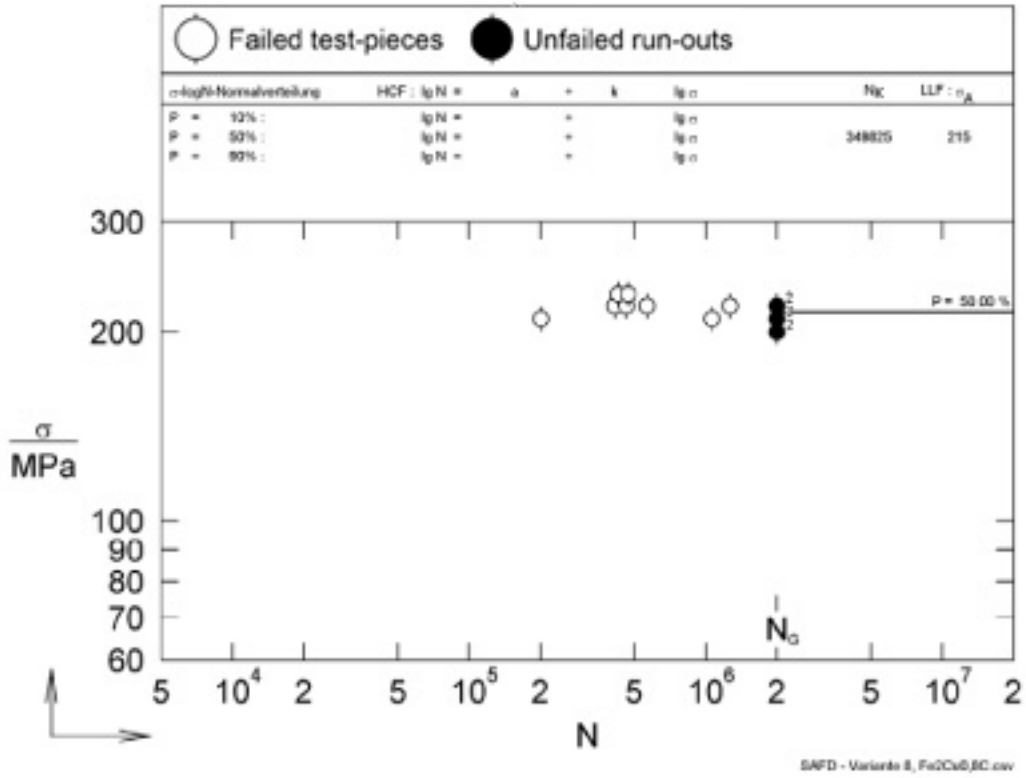

Material:	Fe-2 % Cu - 0.8 % C; iron: water atomised
	copper: - 100 mesh, carbon: graphite
	sintering: 750 °C, 20 min, 90 % N_2 + 10 % H_2; repressed; 1120 °C, 30 min, endogas with controlled carbon p
	heat treatment: -
	density: 7.38 g/cm^3; double pressed, double sintered
	mech. properties: -
Specimen:	smooth, K_t = 1; ISO 3928; surface as sintered[1]
Loading mode:	axial; R = -1
Limiting no. of cycles:	$2 \cdot 10^6$
Endurance limit:	213 MPa[1] (215 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:	200	210	220	230	MPa
Cycles to failure:	2000.000	201.774	413.459	425.920	· 1000
	2000.000	1063.202	462.397	469.950	
		2000.000	564.523		
		2000.000	1266.490		
		2000.000	2000.000		
			2000.000		

[1] With burs removed by millling, a staircase test with 10 specimens gave an endurance limit of 201 MPa.