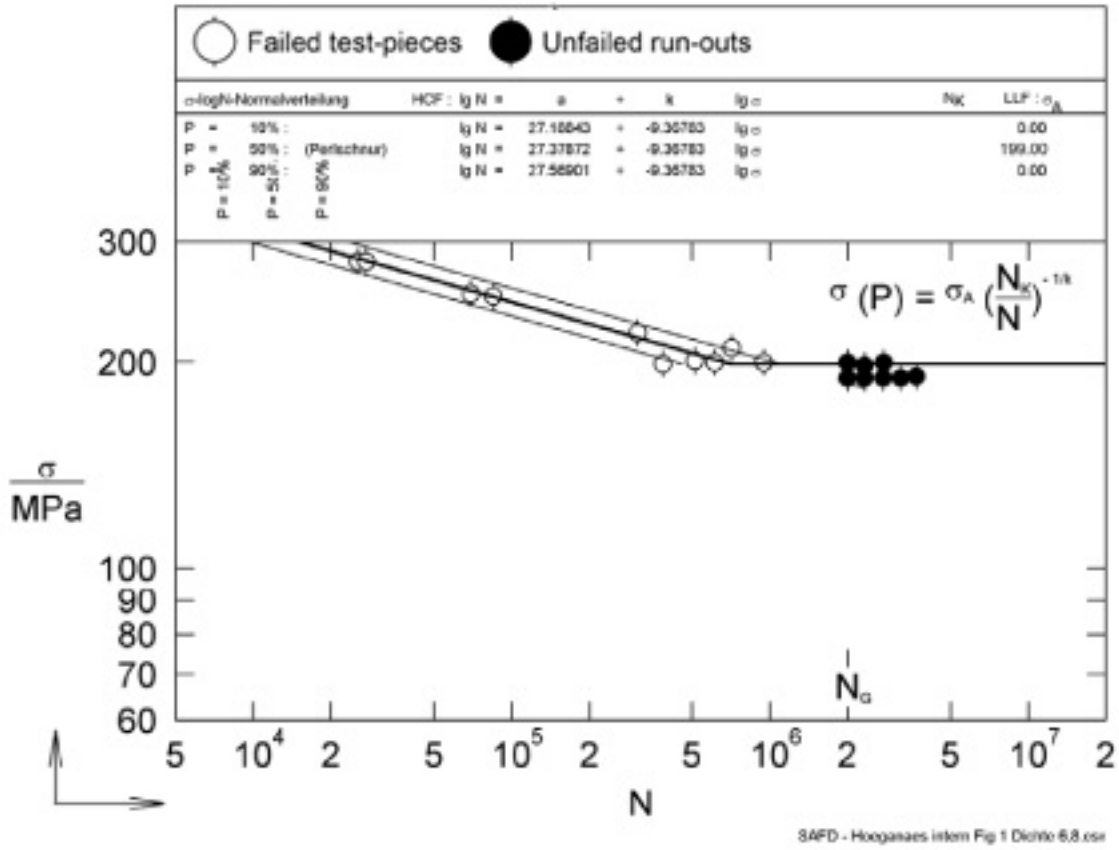

Material:	Fe-2 % Cu-0.8 % C
	iron: water atomised
	copper: < 150 µm,*
	sintering*: 1120 °C, 30 min, 90 % N_2 + 10 % H_2
	heat treatment: -
	density: 6.8 g/cm^3
	mech. properties: -
Specimen:	smooth, K_t = 1.0; ISO 3928; chamfered*; surface as sintered
Loading mode:	plane bending, R = -1;
Limiting no. of cycles:	$2 \cdot 10^6$
Endurance limit:	199 MPa
Reference:	Höganäs AB; internal investigation 2003/93

*assumed from data sheet Fe-2 % Cu-0.8 % C, density 7.1 g/cm^3

Stress amplitude:	190	191	198	199	200	201	210	221	250	252	281
Cycles to failure:	2000.000	3681.290	2328.091	385.478	610.942	512.861	711.214	307.610	84.918	69.502	25.410
	2328.091				946.237						27.353
	2741.574				2000.000						
	3214.234				2760.578						