

SACRIFICIAL ANODE ARRANGEMENT 牺牲阳极布置图	AVIC409-396-01	PAGE 2/19
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参考文献		
1.1 Sacrificial anode design and installation(GB8841-88) 牺牲阳极的设计与安装 GB8841-88		
2.Technical Requirements		
技术要求		
2.1 The vessel registered in DNV class 本船入DNV船级社		
2.2 The zinc anodes in water ballast tanks for 5 years life span. 压载水舱的牺牲阳极设计寿命为5年		
2.3 The zinc anodes outside rudder for 5 years life span. 外部舵叶的牺牲阳极设计寿命为5年		
3.Calculation For The Sacrificial Anode		
牺牲阳极计算		
3.1 The zinc anodes chosen as followings: 选用的牺牲阳极为		
3.1.1 THE anodes in W.B.tank is Al-Zn-In,with weight 7.4Kg, and dimension is (90+110)x300x100mm. 压载水舱中的阳极为铝-锌-铟合金,重量为7.4Kg,尺寸(90+110)x300x100mm.		
3.1.2 THE anodes for outside rudder is Al-Zn-In,with weight 11.25Kg, and dimension is 600x150x50mm. 舵外的阳极为铝-锌-铟合金,重量为11.25Kg,尺寸600x150x50mm.		
3.2 The Calculation For The Out Put Current Of Above Two Type Of Anodes 选用的两种阳极的发生电流计算		
3.2.1 Calculation Fomular 计算公式		
$I_f = \frac{\Delta E \times 1000}{R}$		
If-the out put current of the sacrificial anodes(mA) 牺牲阳极的发生电流量(mA)		
ΔE -the driving voltage of sacrificial anode.For zinc anode is 0.25V. 牺牲阳极的驱动电位,锌阳极时取0.25V		
R-The resistance(water touching) of the anode 牺牲阳极的接水电阻		