

Anode berekeningen fenderframe - project FMT kade Vlissingen
Project 14013

Cathodic Protection design DNV-RP-B401								
Anode characteristics			Project data		FMT Kade	(Fenderframe)		
Anode material	Aluminium		Lifetime	hrs	10			
Anode type	Ampak 250-Al		Coating	µmm	geen			
Stated net anode weight	25 kg		Sea depth	m	0			
Capacity	2500 [A/hr]		Sea area					
Shape (1= Cyl. / 2=Non Cyl.)	2							
Anode body length	1,000 [m]		Coating type		geen			
Anode average width (or diameter)	0,12 [m]		Coating factor initial	%	100,0%			
Anode height	0,080 [m]		Coating factor yrly breakdown	%	0,0%			
Insert diameter	0,04 [m]		Coating factor calculated			100,0%	100%	100%
						Mud	Initial	Mean
			Current densities	mA	0	170	80	110
			Current calculation		m²	A	A	A
			Area in mud	m²	0	0	0	0
			Area scalding	m²	0	0	0	0
			Area in water uncoated	m²	80	14	6	9
			Area in water coated	m²	0	0	0	0
			Area splash zone uncoated	m²	0	0	0	0
			Area splash zone coated	m²	0	0	0	0
			Total area	m²	80			
			Total required current	A		14	6	9
			Required anode weight	kg			250	
			Required anode quantity	pcs			10	
			Anode check					
			Quantity anodes installed	pcs	10	100%	installed	
			Weight installed	kg	250	installed	0% rest weight	
			Anode current initial	A		17		OK
			Anode current mean	A			17	OK
			Anode current final	A				12 OK

Per frame

- 10 stuks aluminium anoden type Ampak 250-Al, gewicht 25 kg. netto (volgens tekening S 4648)

Totaal voor 5 frames

- 50 stuks aluminium anoden type Ampak 250-Al, gewicht 25 kg. netto (volgens tekening S 4648)

Locatie anoden

Gelijkmatig verdelen volgens onderstaande schets

