

SAFETY DEVICE CHECKS – MK-IV CLASS OF SHIP**DATE:-** _____**SHIP:-** IN LCU L**(a) Diesel Alternator (1, 2 & 3).**

Ser	Description	Unit	Design Value	DA 1 (250 KW)	DA 2 (250 KW)	DA 3 (350 KW)	Remarks
(i)	Low LO Pr Alarm	Kg/cm ²	1.2				
(ii)	Low LO Pr Trip	Kg/cm ²	0.8				
(iii)	High FW temp Alarm	°C	91				
(iv)	High FW temp Trip	°C	97				
(v)	High LO temp Alarm	°C	119				
(vii)	Over speed Trip	RPM	1650				
(viii)	Crash stop Local	--	Ops/ Non-ops				
(ix)	Crash stop Remote	--	Ops/ Non-ops				
(x)	High Exhaust temp alarm	°C	550				
(x)	Low SW Pr Alarm	Kg/cm ²	0.1				

(b) (Mission DA 80kw)

Ser	Description	Unit	Design Value	DA 1	Remarks
(i)	Low LO Pr Alarm	Kg/cm ²	2.0		
(ii)	Low LO Pr Trip	Kg/cm ²	1.4		
(iii)	High FW temp Alarm	°C	94		
(iv)	High FW temp Trip	°C	98		
(v)	High LO temp Alarm	°C	120		
(vi)	High LO temp Trip	°C	130		
(vii)	Overspeed Trip	RPM	1650		
(viii)	Crash stop Local	--	Ops/ Non-ops		
(ix)	Crash stop Remote	--	Ops/ Non-ops		
(x)	High Exhaust Temp Alarm	°C	550		
(xi)	Fuel Leakage Alarm	--	Ops/ Non-ops		

(c) **AC Plants.**

Ser	Description	Unit	Design Value	AC Plant No.1	AC Plant No.2	AC Plant No.3
(i)	LP cut out	Kg/cm ²	1.5±0.5			
(ii)	HP cut out	Kg/cm ²	12.5±0.5			
(iii)	SW pressure cut out	Kg/cm ²	0.1			
(iv)	SW pump interlock	---	Ops/ Non-ops			
(v)	Cooling Thermostat	°C	10.2			
(vi)	Antifreeze	°C	5.5			
(vii)	CW pump interlock	--	Ops/ Non-ops			
(viii)	SW flow switch	--	Ops/ Non-ops			
(ix)	CW flow switch	--	Ops/ Non-ops			
(x)	CW Pr cut out	Kg/cm ²	0.05			

(d) **Ref Plants.**

Ser	Description	Unit	Design Value	Ref No 1	Ref No 2	Remarks
(i)	LP cut out	Kg/cm ²	-0.2 ± 0.1			
(ii)	HP cut out	Kg/cm ²	12.0 ± 0.5			
(iii)	DOP cut out	Kg/cm ²	1.0			
(iv)	SW Pr cut out	Kg/cm ²	0.1			
(v)	SW pump interlock	Ops / Non ops				
(vi)	SW flow switch	Ops / Non ops				
(vii)	Fan Interlock	Ops / Non ops				

(e) **HP Air Compressor (Stbd).**

Ser	Description	Unit	Design Value	Port	Stbd	Remarks
(i)	1 st stage Pr Cutout	Kg/cm ²	5-8			
(ii)	2 nd stage Pr Cutout	Kg/cm ²	30-35			
(iii)	Auto cut in	Kg/cm ²	25			
(iv)	Auto cut off	Kg/cm ²	30			
(v)	Low lub oil level switch	Ops / Non ops				
(vi)	Auto/ Manual drain	Ops / Non ops				
(vii)	High Discharge temp	°C				