

STIX CALCULATION

BOAT	LUKUL 8.6				
Intended Category A-B-C-D	A	A =			PASS
LH (m)	8,60	VC (m?)			
LWL (m)	7,80	FM (m)			
BH (m)	3,06	HD (m)			
BWL (m)	2,57	VC (m?)			
CREW LIMIT (# pers)	6,00	Min.Hd (m)	0,71		
GZ 90?(m)	0,49	T (m)	0,9		
ASP (m?)	40,00				
HCE (m)	5,50				
HLP (-m)	-0,49				
Angle of downflooding (Adh)	148,00		Min Adh		PASS
Angle of vanishing stability (Avs)	139,00		Min Avs		PASS
Area under GZ-curve to Adh (m.deg)	58,00				
Area under GZ-curve to Avs (m.deg)	58,00				
LIGHT SHIP CONDITION	Mass (kg)	X (m)	Z (m)		
LIGHT SHIP MASS (Mlcc) (kg)	2600,0	5 13000	0,08 208		
MINIMUM SAILING CONDITION					
Light ship (kg)	2600,0	5 13000	0,08 208		
Crew min. (kg)	150,0	7,2 1080	1,35 202,5		
Life raft (kg)	0,0	0 0	0 0		
Basic equipment (kg)	200,0	5,2 1040	0,8 160		
MIN. SAILING MASS (Mmsc)	2950,0	5,8 17110	0,743 2193		
MAXIMUM LOAD CONDITION	Mass (kg)	X (m)	Z (m)		
Light ship (kg)	2600,0	5 13000	0,08 208		
Crew min. (kg)	150,0	7,2 1080	1,35 202,5		
Crew (#pers) (kg)	300,0	4,4 1320	0,7 210		
Life raft (kg)	0,0	0 0	0 0		
Basic equipment (kg)	200,0	5,2 1040	0,6 120		
Stores (kg)	200,0	5 1000	0,2 40		
Water (kg)	100,0	4,2 420	-0,15 -15		
Water (kg)	0,0	0 0	0 0		
Fuel (kg)	60,0	5,2 312	-0,15 -9		
Hold (kg)	60,0	3,7 222	-0,1 -6		
Personal gear (kg)	150,0	5,2 780	0,2 30		
LOADED DISPL. MASS (Mldc)	3820,0	5,0111 19142	0,303 1159		
LOADED VOLUME (m?)	3726,8				
MAXIMUM LOAD (kg)	1220,0				
MAX. Load ex. Fuel, Water (kg)	1060,0				
STIX 12217-2 DIS			LBS	8,07	
Dynamic Stability Factor (FDS)	1,25				
Inversion Recovery Factor (FIR)	1,13		FR	3,29	
Knockdown Recovery Factor (FKR)	1,17		FL	0,94	
Displacement Length Factor (FDL)	0,95		FB	2,27	
Beam Displacement Factor (FBD)	1,02				
Wind Moment Factor (FWM)	1,00				Assigned category = A
Downflooding Factor (FDF)	1,25				Wave height max > 4m
STIX	36				Windspeed max > Force 8

Design Categories	A	B	C	D
STIX Lower limits	32	23	14	5

Лист

DNEPR S-11

Изм. Лист N докум Подп. Дата