



## Chemical Tanker IMO II

General:	The vessel is specially designed for operation on the St. Lawrence Seaway and has PC3 Ice Class. The machinery is arranged for operation on dual-fuel.		
Main Particulars:	Length o.a.		135.00 m
	Length p.p.		128.00 m
	Breadth moulded		23.50 m
	Depth to main deck		11.60 m
	Scantling draught		7.70 m
	Design draught		7.60 m
	Deadweight at design draught		abt 14,205 t
Capacity:	Cargo tanks		abt. 16,996 cbm
Speed:	Service		13.00 kn
Machinery and Equipment:	MDO, HFO, LNG		
	Main engine	1 x MAN B&W or WSD Licence 7G40ME-B9.3-GI (Tier II) or similar approx. 5350 kW at 110 rpm.	
	SMCR		
	Aux. power	3 x 1,300 kWe	
	Bow thruster	750 kW	
	Stern thruster	550 kW	
	Miscellaneous:	Classification	DNV, 1A1 Tanker for Chemicals ESP – ship type 2, Winterized Cold (-30), SPM, EO, NAUT-OC, VCS-2, BIS,TMON, INERT, CLEAN-DESIGN. or corresponding notation in the case of LR (as delegated Class Societies for Transport Canada).
Scope of Work:	Concept Design and Tender Design, including:		
	General Arrangement		
	Tender specification		
	Detailed weight and centre of gravity calculations, including weight distribution		
	Lines plans		
	Intact stability calculations		
	Damage stability calculations		
	CFD Lines optimisation		
	Cargo and tank heating system		
	Initial calculations for machinery and cargo systems		
Ref. No.:	KEH 13070.01		