

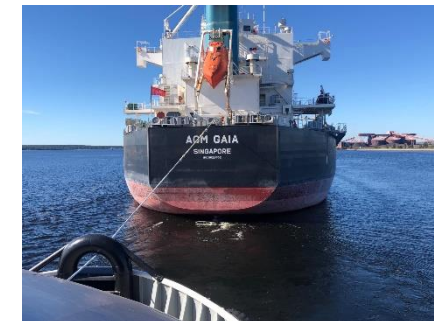


Harbor Icebreaker "Ahto"

ILS Knight Design Series ASD harbor icebreaker and escort tug working at the northernmost Finnish harbor towns, Kemi and Tornio.

Class notation

I ❌ HULL ❌ MACH Tug Unrestricted navigation
ICE 1ASUPER ❌ AUT-UMS



Operational profile

Escort towing & berthing
Icebreaking operations
Ice management
Towing
Oil spill recovery
Transport duties

ILS Commissions

Conceptual design
Basic design
Full scale ice trials
Escort trials

Delivered

2014

Main characteristics

Length oa	40.0 m
Length wl	37.8 m
Breadth mld	12.8 m
Depth mld	6.3 m
Draft mld scantl	5.0 m
Draft mld design	4.7 m
Propulsion	DM, 2 x AZ, CPP
Main engines	2 x 1 800kW
Complement	6+4
Speed	12 kn
Bollard pull	43 t
Icebreaking	2 kn in 90 cm ice
Ice class	BV 1A Super
Aft deck	150 m ²

Deadweight	200 t
Deck cargo	30 ton
Main engines	2 x Wärtsilä 9L20 IMO Tier II 1800 kW / 1000 rpm
Azimuth thrusters	2 x Kongsberg US 305 CP
Escort towing winch / Anchor windlass	Kongsberg ETWH 1500/450/AW28U2
Towing winch	Kongsberg TWH 1500/100
Towing arc	Ferri
Deck crane	Melcal 6.25 t / 16.5 m
Tank capacities:	
Fuel Oil	150 m ³
Ballast	150 m ³
Fresh water	16 m ³
Misc. tanks	20 m ³

