

TAO-205 *Underway Replenishment Oiler*

GENERAL DYNAMICS
NASSCO



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MISSION

Underway Replenishment Oiler TAO-205

PRINCIPAL CHARACTERISTICS

Length, LBP: 216.42 m
Length, Overall: 225.97 m
Beam: 32.2 m
Draft: 10.1 m
Depth: 17.20 m
Full Load Displacement: 45,000 MT

SPEED AND ENDURANCE

Sustained Speed: 20 knots at 85% MCR
Endurance: 6,206 nm

AVIATION FACILITIES

Landing Area without Support Facilities
Low Hover VERTREP
NAVAIR Level II, Class 3

MACHINERY SYSTEMS

Type of Engine: Medium-Speed Diesel
Installed Power: 23.1 MW
Number of Engines: 2
Number of Shafts: 2
Propellers: Controllable Pitch
Ship Service Power:
2 x 1.2 MW Power Take Off
3 x 3.0 MW Diesel Generators

HULL STRUCTURE

ABS Common Structural Rules for Double Hull Oil Tankers

STABILITY AND OUTFLOW

IMO MARPOL 73/78
IMO MARPOL 12A (protection for ship's fuel)
IMO MARPOL 25A (protection for cargo fuel)

LIFESAVING

USCG Certified (Cargo & Misc. Vessels)
Lifeboats: Total Ship's Complement
Life Rafts: Total Ship's Complement

CARGO CAPACITIES

Liquid Cargo: 157,000
Dry Cargo: 275 MT
Refrigerated Cargo: 60 MT
Cargo Potable Water: 200 MT
Ordnance: 0 MT

CARGO SYSTEMS

Port Side:

3 FAS stations with double probes and 2.5" span line
1 RAS station

Starboard Side:

2 FAS stations with single probe and 2.5" span line, and receiving capability
1 RAS station with receiving capability
12 x electric deep-well pumps 3,000 gpm
Supported by 2 x 5 MT cranes

SURVIVABILITY

Advanced Degaussing
NIXIE Torpedo Decoy
Space & Weight for Self-Defense

COMMAND & CONTROL

Naval Communications Suite

ACCOMMODATION

Habitability: Mixed Gender Compliant
MSC Habitability Standard
MSC: 82
Military: 21
Spares: 15
Total: 118

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2798 E. Harbor Drive, San Diego, CA 92113

Tel: (619) 544-3400

Fax: (619) 544-7633

www.nassco.com

