

# **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: 227.3 m  
Beam: 32.2 m  
Draft: 10.2 m  
Depth: 17.20 m  
Full Load Displacement: 49,850 MT

## SPEED AND ENDURANCE

Sustained Speed: 20 knots at 85% MCR  
Endurance: 6,147 nm

## AVIATION FACILITIES

NAVAIR Level I, Class 2  
VERTREP

## MACHINERY SYSTEMS

Type of Engine: Medium-Speed Diesel  
Installed Power: 28.8 MW  
Number of Engines: 2  
Number of Shafts: 2  
Propellers: Controllable Pitch  
Ship Service Power:  
2 x 2.65 MW Power Take Off  
3 x 3.84 MW Diesel Generators

## HULL STRUCTURE

ABS Steel Vessel Rules 2015

## STABILITY AND OUTFLOW

MARPOL Annex I

## LIFESAVING

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

## CARGO CAPACITIES

Liquid Cargo: 162,164 bbl  
Dry Cargo: 417 m<sup>2</sup>  
Refrigerated Cargo: 433 m<sup>2</sup>  
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

10 x main cargo centrifugal pumps at 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  
Licensed: 24  
CPO: 17  
Unlicensed: 54  
Transient Enlisted: 30  
Total: 125

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