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# AOKA MIZU FPSO

## Data Sheet

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The AOKA MIZU's main functions are:

- Receipt of fluids from subsea wells
- Control of the subsea wells including electric submersible pumps
- Processing of the incoming fluids for separation into crude, water and gas
- Storage of the stabilised crude oil
- Treatment of effluent for discharge of water to the sea
- Chemical injection
- Utilisation of part of the produced gas for fuel and lift gas
- Offloading of crude into "tandem moored" shuttle tankers
- Power generation for process, offloading, utilities and ship systems
- Provide accommodation for operating and maintenance personnel
- Provide helideck for helicopter operations and heli refuelling
- Water and gas injection facilities
- Pigging operations

All systems are designed for a minimum annual average production up-time of better than 95%.

**Class Notation:**

✠ 1A1 | Ship-shaped | Oil Production Storage Unit POSMOOR CRANE | ECO | HELD (S, H) FMS (10)

VESSEL DATA	
Length	248.1m
Breadth moulded	42 m
Depth moulded	21.2 m
Dead weight tonnage	88,059 dwt
Deck area	7,985 m <sup>2</sup>
Accommodation	84 persons

PERFORMANCE DATA	
Storage capacities	
Exportable crude	96,112 m <sup>3</sup> (604,478 bbls)
Slop tanks	7,758 m <sup>3</sup> (48,796 bbls)
Diesel Oil	3,106 m <sup>3</sup>

Processing Capacities	
Fluid capacity	35,000 bpd
Crude	30,000 bpd
Produced water (max)	20,000 bwpd
Oil content water discharged	< 30 ppm
Gas (max)	22 MMscfd

Stabilised crude	
RVP	10 psia max.
H2S	< 3 ppm
BS&W	< 0.5 %

Water injection	
Capacity (max)	55,000 bwpd
Design pressure	3,500 psia
Oxygen content (max)	10 ppb

Gas compression / Treatment	
Compression	2 x 22 MMscfd
Dehydration	35 MMscfd

Power	
Main generators	2 x gas turbine, 2 x diesel
Capacity	2 x 10 MW + 2 x 6 MW
Emergency generator	1 x 1 MW Diesel

Offloading	
Parcel size	500,000 bbls