



M/V Pacific Griffin

- ▶ **Brake Horsepower** 6,434 BHP
- ▶ **Clear Deck Space** 810 m²
- ▶ **Deadweight** 4,054 - 4,103 tonnes
- ▶ **Deck Cargo Capacity** 1,750 tonnes

M/V Pacific Griffon

Brake Horsepower	6,434 BHP	Clear Deck Space	810 m2
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General Information

Port of registry:	Singapore
Built:	Japan Marine United Corporation - 2017
Flag:	Singapore
Call Sign:	TBA
IMO No.:	9742857
Classification:	DNV +1A1, Offshore Service Vessel – Supply, SPS, Dynpos AUTR, FiFi 1, Clean, SF, E0.
ERN:	99,99,99,97

Dimensions

Length, overall:	84.65 metres
Length, BP:	75.70 metres
Breadth, moulded:	18.00 metres
Depth, main deck:	7.60 metres
Design draft:	6.30 metres
Maximum draft midship:	6.43 metres
GT:	3585 tonnes
NT:	1076 tonnes

Capacities

Deadweight (maximum):	4078 tonnes
Clear Deck Area:	810 m2
Deck Strength:	10 t/m2 / 5 t/m2
Deck Cargo:	1750 tonnes
Ship Fuel:	306 m3 + 591 m3 (Using NLS tanks)
Cargo Fuel:	797 m3 + 172 m3 (Using NLS tanks)
Potable Water:	684 m3
Ballast Water / Drill Water:	1753 m3
Brine / DMA / Glycol / Liquid Mud:	762 m3 @ 2.5 t/m3
Dry Bulk:	318 m3
Base Oil:	190 m3
Ship's Stores:	Freezer Room (-25deg C.) - approximately 19 m3 Cold Room (+4deg C.) - approximately 21 m3 Provisions store (+12deg C.) - approximately 30 m3

Oil Recovery

General Comments:	OilRec ready, require pumps and piping
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Machinery

Main Engines:	2 x Yanmar 6EY26LW; 1720 kW 2 x Yanmar 6EY18(A)LW; 680 kW Gensets = 4,800 kW (6,434 BHP)
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Propulsion:	Automated Power Management Diesel Electric System
Azimuth Thruster:	2 x 2,000 kW (2 x 2,680.97 BHP) RRM Contaz 15 Azimuth Thrusters
Bow Thrusters:	3 x 730 kW (3 x 979 BHP) Brunvoll FU 63 LTC 1750 electric motor driven tunnel type, CPP, frequency controlled
Emergency Generators:	1 x Doosan Infracore AD136TI 125kW Generator Engine

Deck Machinery

Tuggers:	Rolls Royce Marine, 2 x 20t (@ 1st layer) with 250m of 22mm diameter wire capacity. Provided with portable controller.
Capstans:	Rolls Royce Marine, 2 x 10t with warping head and drum capacity for 100m of 18mm diameter wire
Windlass:	Rolls Royce Marine, 2 x combined mooring winch/anchor windlasses with warping ends and centre line rope mooring/storage drum. 2 x Cable lifters for 46mm chain, 10.1T line pull at a speed of 12m/min
Smit Towing Bracket:	1 x 200 t
Crane Capacity:	1 x 5t @ 14 metres radius, knuckle boom crane

Electronics

Main Radar:	Furuno FAR-2837S-D ARPA Radar, S Band, 23.1"
Auxiliary Radar:	Furuno FAR-2817-D ARPA Radar, X Band, 23.1"
Auto Pilot:	Tokyo Keiki PR-6000
Gyro Compass:	3 x Tokyo Keiki TG-8000
Magnetic Compass:	1 x Tokyo Keiki
Echo Sounder:	Furuno FE-700, dual frequency 50Hz and 200Hz
DGPS :	Furuno GP-150
Anemometer :	2 x Gill Wind Observer
Speed Log:	Furuno Doppler Speed Log DS-80
Communications:	Furuno MF-HF (SSB) Transceiver integrated with DSC/Watch Receiver Furuno Inmarsat-C (no.1) - Felcom 18 (Integrated with EGC) Furuno Inmarsat-C (no. 2) - Felcom 18
Watch System:	Furuno BR-500
Navtex Receiver:	Furuno NX-700B
Weather Fax:	Furuno FAX-410
Satellite Communication:	Thrane & Thrane Sailor 500 Fleet Broadband
AIS:	Furuno FA-150
Satellite Navigation:	Furuno GP-150
Voyage Data Recorder(VDR):	Furuno VDR VR-3000
VHF:	Furuno FM-8900S Semiduplex VHF
Electronic Chart Display:	2 x Furuno ECDIS FMD-3300
BNWAS:	Furuno BR-500

Discharge Pumps

Fuel Oil:	1 x 150m ³ /Hr -9 Bar
Base Oil:	1 x 150m ³ /Hr -9 Bar
Potable Water:	1 x 150m ³ /Hr -9 Bar

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Ballast Water:	1 x 150m3/Hr -9 Bar
Drill Water:	1 x 150m3/Hr -9 Bar
NLS (Brine / Liquid Mud / Base Oil):	3 x 75m3/Hr - 18 bar at SG of 2.5
Dry Bulk:	80 tonnes/hr at 70m head
Cargo Flow Meters :	Fuel oil and fresh water
Special liquid (Methanol):	Prepared for Methanol with designated space for N2 plant and pumps
Hose Connections :	Fuel - 4 inch Mann quick release self-sealing female connection Potable Water - 4 inch Anson hammer lug female connection, Fig 100 Drill Water - 4 inch Anson hammer lug female connection, Fig 100 NLS including Brine - 4 inch Mann quick release self-sealing male coupling, Base Oil - 4 inch Mann quick release self-sealing male coupling, Dry Cement - 5 inch Anson hammer lug male coupling, Fig 100

Dynamic Positioning

Type:	GE Energy DPS21 - Duplex DP+IJS
Reference Systems:	1 x MDL Fan Beam Laser System, 2 x Veripos LD5 DGPS, 1 x HPR Sonardyne Acoustic Positioning System deployable by HPR tubes built into hull
Control Modes:	Manoeuvre / FU Position and Transit / Autopilot Position. Aft bridge, Manual Thruster Control levers, Independent Joystick System and 2 DP workstations.
Joystick:	Independent Joystick GEE-CVT

External Fire Fighting

Capacity:	3700 m3/hr pump driven by electric motor
Monitors:	2 x 1200 m3/hr
Throw Length:	120 metres from bow
Throw Height:	50 metres at 70 metres distance
Drenching System:	1200 m3/hr combined with main pump
Foam Tank :	9.9 m3

Standby Rescue Equipment

1. 1 x MOB boat MP-660 Springer with 230hp inboard diesel engine and water jet propulsion. Maximum speed 3 persons 32 knots. Maximum capacity - 10 persons.
2. Rescue zone on both port and starboard side Main Deck.

Anti-Pollution

Dispersant Tank:	10.9 m3
Spray Booms:	Wartsila, Fixed installed spray nozzles for neat and dilute, port and stbd sides.

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Accommodation

Berths:	14 x 1 man (single) cabins
	13 x 2 men (double) cabins
	2 x 4 men (quadruple) cabins
	48 berths total
	1 x Messroom (with TV Lounge)
	1 x Hospital (1 bed)
	1 x Gymnasium

Miscellaneous

1. MRC Sound Reception System MSR-9200A
2. NLS Cargo re-circulating pumps, 3 x 50m³/hr - 5 bar
3. Prepared for future installation of an N2 generator
4. Two (2) HPR tubes built into hull.
5. Wood sheathed main deck
6. 3 x Xenon 2000W search lights on top of bridge, remotely controlled.

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FUEL EFFICIENCY

FUEL OIL CONSUMPTION ON PASSAGE

Fuel Oil Consumption (t/24 hours)-Seastate 2Φ				
Draft(m)	10.00 knot	12.00 knot	14.00 knot	15.00 knot
4	4.53	6.63	10.94	16.41
4.5	5.13	7.28	12.03	18.04
5	5.61	7.93	13.09	19.64
5.5	5.98	8.57	14.14	21.21
6	6.46	9.19	15.17	22.75
6.45	6.85	9.74	16.08	24.11

Φ: Seastate 2 is Light breeze, 4–6 knot wind, 1–2 ft wave height