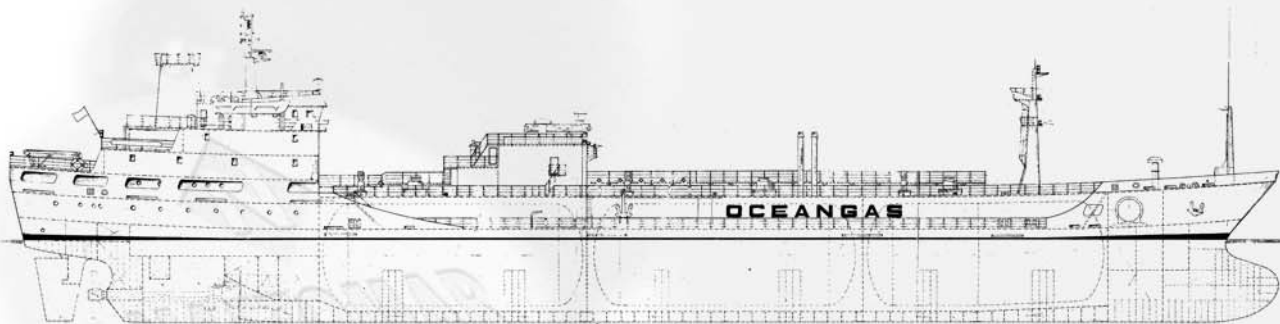




NAFTOMAR



GAZ PIONEER

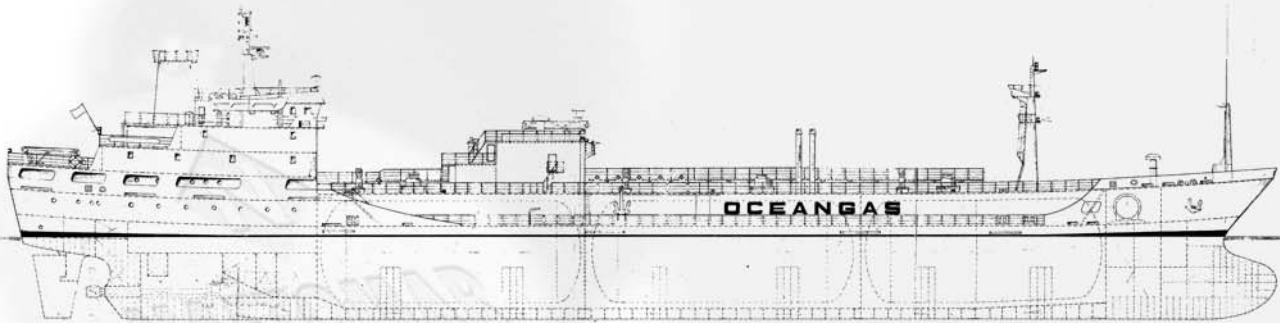
GENERAL CHARACTERISTICS

Owners:	PHOENIX INDUSTRIES - PANAMA
Built:	1982
Flag:	PANAMA
Class:	BUREAU VERITAS
Call Sign:	3 F Y H 9
GRT/NRT	
International:	5924 / 2254
Suez:	6213,19 / 4923,63
Panama:	6388,15 / 5010,62
IMO:	8013223
USCG:	YES
RINA:	YES
MOT:	YES
LOA:	120,5 m
LBP:	110 m
Breadth Moulded:	17,00 m
Depth Moulded:	8,90 m
DWT, Summer:	7496
Draft, Summer:	7.892
Draft, Propane:	7,08 m
Draft, Butane:	7,18 m
Air Draft:	30,45 m
Main Engine:	2 x GMT FIAT A420,6
Maximum Power:	2x 4,000BHP
Fuel Grade:	IFO180cSt
Consumption/day:	17,0MT in ladden condition
Speed (Average):	12,4kn in ladden condition
Auxiliaries:	2x shaft generators (coupled in each main engine)
Power:	1248 kw each
Total Available:	1248 kw
Grade/Consumption:	n/a - m/e driven
Bunker Capacity:	575MT - IFO 180 cSt Sp. Gr. 0,98 at 98%
	68MT - MGO Sp.Gr 0,85 at 98%

Particulars herein believed to be correct but not guaranteed



NAFTOMAR



GAZ PIONEER

CARGO PLANT AND HANDLING EQUIPMENT

MARVS: 4,4 / 0,4bar
Min. Temperature: -48degC
Max. Specific Gravity: 0,972 T/cbm
Max. Vacuum: 0,50Ata
Cargo Pumps: 6x 200cbm/hr
Cargo Compressors: 3 x SULZER K 160 2H
185,000Kcal/hr for propane
Cargo Heater: YES
Booster Pumps: 1 X 200cbm/hr @ 80mlc, 2 x 100cbm/hr @ 180mlc
Deck Tanks: NO
Inert Gas Plant: 1200Ncbm/hr
Cargo Vaporizer: YES
Bow Thruster: YES
Cargo Manifolds: V - L - V port
V - L stbd (fwd -- aft)

INDICATIVE CAPACITIES OF CARGO TANKS

TANK No.	CBM 100% (m3)	S.G T°C	BUTANE 0.601SG 0°C	PROPANE 0.583SG -42°C	BUTADIENE 0.653SG -5°C	PROPYLENE 0.613SG -47.7°C	AMMONIA 0.682SG -33.6°C	VCM 0.972SG -13.9°C
1	3450		1833.0	1,758.0	1,971.0	1,853.0	2,117.0	1,778.0
2	4,347.0		2,309.0	2,215.0	2,483.0	2,334.0	2,668.0	2,822.0
3	4,292.0		2,280.0	2,187.0	2,452.0	2,305.0	2,634.0	2,300.0
TOTAL	12,089.0		6,422.0	6,160.0	6,906.0	6,492.0	7,419.0	6,900.0