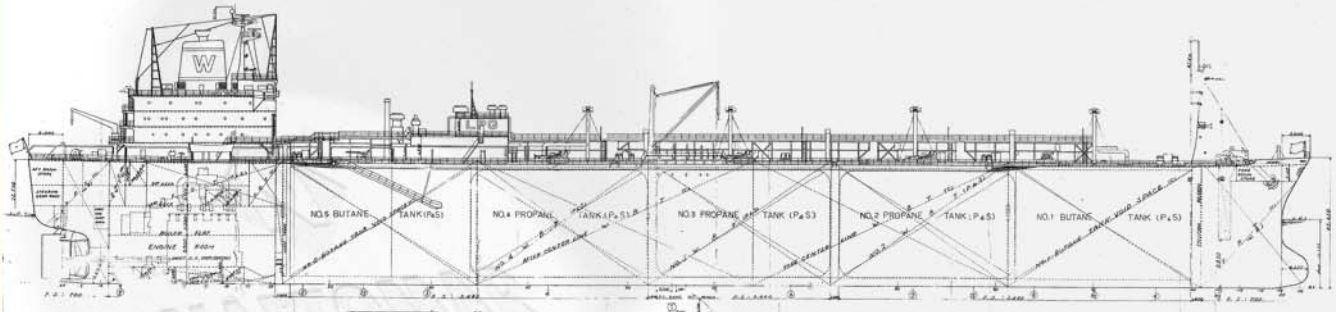




NAFTOMAR



GAZ SUEZ

GENERAL CHARACTERISTICS

Owners: TRANSICHEM SHIPPING & TRADING CORPORATIONS S.A.
Built: KAWASAKI HEAVY INDUSTRIES, KOBE JAPAN - 1977
Flag: PANAMANIAN
Class: ABS
Call Sign: 3FN05
GRT/NRT
International: 43713 / 12045
Suez: 46651 / 40932
Panama: ----
IMO: 7501376
USCG: NO
RINA: NO
MOT: Approved - 1977

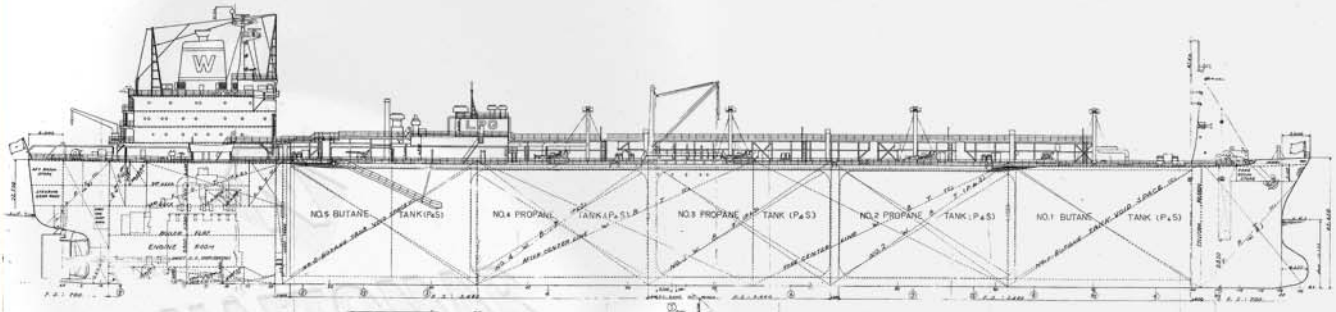
LOA: 224,00 m
LBP: 213,00 m
Breadth Moulded: 32,54 m
Depth Moulded: 21,80 m
DWT, Summer: 56852
Draft, Summer: 12,53 m
Draft, Propane: 11,47 m Butane 1&5 - Propane 2,3,4
Draft, Butane: 11,59 m Butane in all tanks
Air Draft: 50,2m From Keel

Main Engine: Kawasaki MAN 7KSZ 90/160A
Maximum Power: 18270 PS
Fuel Grade: IFO 180cSt @ 50° C
Consumption/day: 50.00MT in ladden condition
Speed (Average): 13,5KN in ladden condition
Auxiliaries: 3XDaihatsu 6VSHT -26D
Power: 3x1680 PS
Total Available: 3706 KW
Grade/Consumption: Blended fuel (abt 35cSt at 50 degC) - 10MT/DAY MAX
Bunker Capacity: 3020,0MT - HFO Sp. Gr. 0,98 at 98%
637,70MT - MGO Sp.Gr 0,89 at 98%

Particulars herein believed to be correct but not guaranteed



NAFTOMAR



GAZ SUEZ

CARGO PLANT AND HANDLING EQUIPMENT

MARVS: 0,280kg/cm sq
 Min. Temperature: -46degC - Propane Tanks (No.2, 3 & 4 Port and Stbd)
 -9,5degC - Butane Tanks (No.1 & No.5)
 Max. Specific Gravity: 0,605 kg/cbm
 Max. Vacuum: 0,07 kg/cm sq
 Cargo Pumps: 4x400cbm/hr - Butane Tanks (No.1 & No.5)
 8x400cbm/hr Propane Tanks (No.2, 3 & 4 Port and Stbd)
 4x150cbm/hr
 Cargo Compressors: 5 x screw compressors
 3 x 280000kcal/hr for Propane
 2 x 280000kcal/hr for Butane
 Cargo Heater: YES
 Booster Pumps: 2 x 200 cbm/hr @ 150 mlc & 1 x 400cbm/hr @ 140mlc
 Deck Tanks: NO
 Inert Gas Plant: 1500 Ncbm/hr
 Cargo Vaporizer: YES
 Bow Thruster: NO
 Cargo Manifolds: PV - PL - BL - BV (From Fwd to Aft)

INDICATIVE CAPACITIES OF CARGO TANKS

TANK No.	CBM 100% (m3)	S.G. T°C	BUTANE	PROPANE
			0.601 SG -2°C	0.585 SG -42°C
1P	7.162,5		4.180,0	
1S	8.030,2		4.687,0	
2P	7.872,0		4.594,0	4.502,6
2S	7.872,0		4.594,0	4.502,6
3P	7.872,0		4.594,0	4.502,6
3S	7.872,0		4.594,0	4.502,6
4P	7.872,0		4.594,0	4.502,6
4S	7.872,0		4.594,0	4.502,6
5P	9.214,9		5.378,0	
5S	8.386,2		4.594,0	
TOTAL	80.025,8		46.403,0	27.015,6