Contributed by Leo J. McDonough

USNS LCPL Roy M. Wheat (T-AK 3016)
Vessel Particulars

Call Sign: NROY
UIC: N23068
JNAP: BRITTLE
USCG Official Number: 1073560
MSC Designator: T-AK 3016
IMO #: 8523137

Builder: Chernomorski Shipyard, Ukraine
Hull 234 - Year 1987
Conversion: Bender SY, Mobile, AL.
Hull 6875 - Year 2001
Type: RO/RO, Container Carrier
Class: ABS ABS ID#: 36138RC

LOA:	864'	263.34 M
Length BP:	787' 04"	240.00 M
Breadth Molded:	98' 05"	30.00 M
Max Depth:	68' 10 ¾"	21.00 M
Max Draft:	34' 11"	11.285 M
Air Draft:	167'- Draft	50.9M - Draft

Tonnage: Gross: 44,301 Net: 15,804
Suez Tonnage: Gross: 46,173 Net: 39,566
Panama Canal: Net: 36,570
Lightship: 25,894.55 MT
Deadweight @ Max Draft: 30,366 Long Tons
Displacement: 50,277 Long Tons
Design Speed: 22.0 Kts (MSC Charter Speed 17.0 Kts)
Engine HP (Twin engine): TOTAL HP is 38,400 Ahead 10,000 Astern
Screws: Twin Reversible Screws (OUT board turning ahead),
Single Rudder Amidships
Bow Thruster: 1234 HP Kawasaki Stern Thruster: 872 HP KaMeWa
Anchor: 12 shots Port & Stbd Anchors are 23,100 lb (10.5 mt) Stockless Bower

Cargo Information

Container Capacity: 969 TEU (261 are special purpose)
Number of hatches: 6 Number of Holds: 12
Total Deck Area: 220,067 Sq. Total Cargo Deck Area: 193,207 Sq.
Environmentally Controlled Cargo Area: 150,249 Sq.'
RORO Deck Area: 114,924 Sq.'
Max load distribution: 660 lb./sq.' except 330 lb./sq.' on top deck hatch covers
Crane Capacity: AFT- 72 LT at 130' outreach. Max 113 LT at 95' outreach.
FWD- 26 LT at 130' outreach Max 42 LT at 65' outreach
Ramp Capacity: 160,000lbs (80 tons)
Ramp Foot Pressure: < 500 lb./sq.'
Load Factor for Sea State 3: 1.05