ClassNK NIPPON KAIJI KYOKAI
Administration Center Annex
3-3 KIOI-CHO, CHIYODA-KU, TOKYO 102-0094, JAPAN

No. : TA17990E
Date : 5 October 2017

PARTICULARS OF APPROVAL

Approval Conditions for Synthetic Fibre Ropes

1. Approval No. : 00R-3
2. Trade Name : Tough Ace Twell
3. Kind : Polypropylene / Polyester Composite Rope
4. Grade : Not Applicable
5. Number of Strands : 12
6. Raw Textile
   - -1. Polypropylene
     - Manufacturer : Tokyo Seiko Rope Mfg. Co., Ltd.
     - Kind : Polypropylene Special Mono-filament 3000D/1F
   - -2. Polyester
     - (1) Manufacturer : TEIJIN POLYESTER (THAILAND) LIMITED
       - Kind : Polyester Multi-filament 1000D or 1500D
     - (2) Manufacturer : Toray Industries, Inc.
       - Kind : Polyester Multi-filament 1500D
     - (3) Manufacturer : Unitika
       - Kind : Polyester Multi-filament 1000D or 1500D
7. Specification : See Table 1 and Table 2.

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NIPPON KAIJI KYOKAI

H. Kobayashi
General Manager
Material and Equipment Department