

Tugboat for passenger vessel

1st April, 2009

Tokyo-Wan Pilotage District

(Yokohama, Kawasaki, Chiba and Kisarazu ; Port of Keihin)

| GRT of vessel | Tugboat | | Remarks |
|-----------------|-------------|--------|--|
| | Power (HP) | Number | |
| Entering vessel | | | *The number of tugboat may be 1 for a vessel having a sufficient thruster. |
| less than 4,000 | 2,200~4,400 | 1 | |
| 4,000~4,999 | 2,200~4,400 | *2 | |
| 5,000 or more | 2,200~4,400 | *2 | |
| Leaving vessel | | | |
| less than 4,000 | 2,200~4,400 | 1 | |
| 4,000~4,999 | 2,200~4,400 | 1 | |
| 5,000 or more | 2,200~4,400 | *2 | |

Note : The number of tugboats can be changed according to the power of the vessel's thruster, weather conditions and others.

(Tokyo ; Port of Keihin)

| GRT of vessel | Tugboat | | Remarks |
|-------------------------------|------------|--------|---------|
| | Power (HP) | Number | |
| Mooring at berth or sea berth | | | |
| less than 8,000 | 3,000 | 1 | |
| 8,000~39,999 | 3,000 | 2 | |
| 40,000~100,000 | 3,600 | 2 | |
| Mooring at buoy | | | |
| less than 7,000 | 3,000 | 1 | |
| 7,000 or more | 3,000 | 2 | |

Note : The number of tugboats can be changed according to the power of the vessel's thruster, weather conditions and others.

(Port of Yokosuka)

| GRT of vessel | Tugboat | | Remarks |
|-----------------------------|------------|--------|---|
| | Power (HP) | Number | |
| Vessel with bow thruster | | | |
| 3,000 or less | - | 1 or 2 | |
| more than 3,000 | - | *1 | *If the power of vessel's bow thruster is not enough, 2 tugs are requested. |
| Vessel with no bow thruster | | | |
| 3,000 or less | - | 1 or 2 | |
| more than 3,000 | - | 2 | |

Note : The number of tugboats can be changed according to the power of the vessel's thruster, weather conditions and others.