

# Tonnage and Horsepower Calculation Tool

Name (First, Middle, Last):

Mariner Reference Number:

## 50% FORMULA

<b>Step 1</b>	<i><b>INSTRUCTIONS:</b> Multiply the Required Service by 50% (x0.5).</i>		
	Days Served	Multiply by 50%	50% of Required Service
		Times 0.5	
<b>Step 2</b>	<i><b>INSTRUCTIONS:</b> Start with the applicant's highest TONNAGE or HORSEPOWER, and work down until Total Number of Days equals 50% of the Required Service calculated in Step 1 above.</i>		
	Number of Days on Highest Gross Tonnage (GT)/Horsepower(HP)	GT/HP	Total Number of Days
<b>Total Number of Days:</b>			
<b>Step 3</b>	<i><b>INSTRUCTIONS:</b> Once Total Number of Days equals 50% of the Service, multiply that TONNAGE or HORSEPOWER by 150% (x1.5). Then round up to the next highest TONNAGE or HORSEPOWER using the guidelines below.</i>		
	GT/HP at 50% Service	Multiply by 150%	Sub-GT/HP
		Times 1.50	

## 25% FORMULA

<b>Step 4</b>	<i><b>INSTRUCTIONS:</b> Multiply the Service by 25% (x0.25).</i>		
	Service	Multiply by 25%	25% of Required Service
		Times 0.25	
<b>Step 5</b>	<i><b>INSTRUCTIONS:</b> Using the table in Step 2 above, locate what TONNAGE or HORSEPOWER the applicant served on when 25% of the Service was achieved. Then round up to the next highest TONNAGE or HORSEPOWER using the guidelines below.</i>		
	GT/HP at 25% Service	Round Up to the Next GT/HP Group	

## ISSUANCE SECTION

<b>Step 6</b>	<i><b>INSTRUCTIONS:</b> Issue the highest TONNAGE or HORSEPOWER calculated using the above formulas.</i>	<b>Highest TONNAGE or HORSEPOWER:</b>

<b>TONNAGE AND HORSEPOWER GUIDELINES</b>		
<b>TONNAGE</b>		<b>HORSEPOWER</b>
<b>200 GRT OR LESS</b>	Limitations are in multiples of 50 Gross Tons, using the next highest figure when an intermediate tonnage is calculated.	<b>ALL</b>
<b>Greater than 1600 GRT</b>	Limitations are in multiples of 1000 Gross Tons, using the next highest figure when an intermediate tonnage is calculated. When the tonnage equals or exceeds 10,000 Gross Tons, an Any Gross Tons license is issued.	Limitations are in multiples of 1000 Horsepower, using the next higher figure when an intermediate Horsepower is calculated. When the horsepower equals or exceeds 10,000 horsepower, an Any Horsepower license is issued.
<b>CFR REFERENCES:</b>	11.402   11.422   11.431   11.450   11.503	