

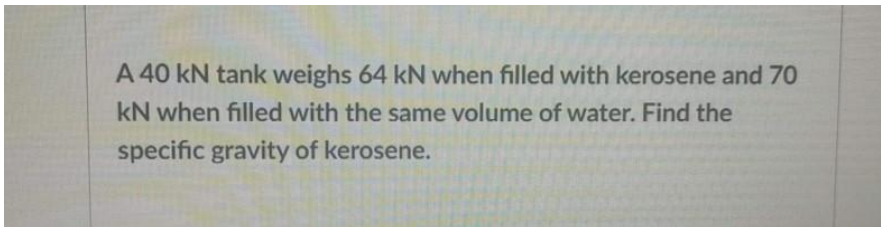


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Question: A 40 kN tank weighs 64 kN when filled with kerosene and 70 ...



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Expert Answer



Anonymous answered this
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$$\begin{aligned}
 \text{Weight of water in tank} &= \text{Total weight} - \text{Weight of tank} \\
 &= 70\text{ kN} - 40\text{ kN} \\
 &= 30\text{ kN} \\
 \\
 \text{Weight of kerosene in tank} &= \text{Total weight} - \text{weight of tank} \\
 &= 64\text{ kN} - 40\text{ kN} \\
 &= 24\text{ kN} \\
 \\
 \text{Specific Gravity of kerosene} &= \frac{\text{Specific weight of kerosene}}{\text{Specific weight of Water}} \\
 &= \frac{24}{30} = \boxed{0.8}
 \end{aligned}$$

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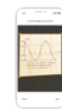
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... density of water is mixed to 200g of alcohol whose density is 790kg/m³. calculate the specific gravity of the mixture. pls help...i search every where to answer this one, i want to know how solve this one.. pls help .

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