

Chemistry - PI 24

HEAVY WATER PRODUCTION - FINISHING PROCESS

Objectives

1. List the steps in the feed treatment to a "SULZER" unit by drawing a flow diagram similar to Figure 7 in Course 438 Lesson 30-1.
2. In a sentence or two describe the purpose of each step.
3. Briefly describe the packing in:
 - a) a Lummus Tower.
 - b) a Sulzer Tower.

State which is more efficient and why.

Here's What To Do:

1. Read Lesson 30-1 from Course 438.
2. From memory, draw a schematic showing the feed treatments to a Sulzer unit. Compare your drawing to Figure 7 in the reference lesson.
3. Fill in the work sheets and have them reviewed by the Course Manager. Be prepared that he may ask you to do the memory trick from item 2 above.

WORKSHEET 1

SULZER FINISHING UNIT FEED TREATMENT

<u>STEP</u>	<u>PURPOSE</u>
1. Filtration	
2. Oil Separation	
3. Emulsion Breaker	
4. Potassium Permanganate Addition	
5. Reaction Vessel	
6. Vapourizer	
7. Oil Skimmer	
8. Vapourizer	

WORKSHEET 2

Sulzer Packing Material:

Lummus Packing Material:

State which is superior and justify your answer:

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