## Allowance For Worn Pumping Units

These limits are based on a new unit having a capacity of 29 c.c. in 80 pumping strokes and when tested against 300 lbs. pressure.

In order to utilize pumping units of less than 90% efficiency, it is recommended that allowance be made when setting feed regulations. For this purpose the method shown in the instruction book in the last chapter may be used. Another method is to use the following allowances when setting the feeds:-

For Valves and Cylinders:-

| Normal adjustment | Additional turns to compensate for units 85% to 90% efficient |
|---|---|
| 8 turns open | use wide open |
| 7 " " | add 1 turn |
| 6 " " | " 1 " |
| 5 " " | " 3/4 " |
| 4 " " | " 3/4 " |
| 3 " " | " 1/2 " |

For Steam Feeds Except Valves and Cylinders:-

| Normal Adjustment | Additional turns to compensate for units 85% to 90% | 75% to 85% |
|---|---|---|
| 7 turns open | add 1 turn | add 1-1/2 turns |
| 6 " " | " 1 " | " 1-1/2 " |
| 5 " " | " 3/4 " | " 1-1/4 " |
| 4 " " | " 3/4 " | " 1 turn |
| 3 " " | " 1/2 " | " 3/4 turns |
| 2 " " | " 1/4 " | " 1/2 " |
| 1 turn open | " 1/8 " | " 1/4 " |

For Chassis Feeds:-

| Normal adjustment | Additional turns to compensate for units 85% to 90% | 75% to 85% | 55% to 75% |
|---|---|---|---|
| 6 turns open | none | none | add 1 turn |
| 5 " " | " | " | " 1 " |
| 4 " " | " | " | " 3/4 " |
| 3 " " | " | " | " 1/2 " |
| 2 " " | " | " | " 1/2 " |
| 1 turn open | " | " | " 1/4 " |

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