BULLETIN #TTSB2/020400

REFERENCE: Mobile unit pumps with Trico Opto-Matic Oilers.

U.S. Filter Corporation has requested that all new T&T pumps designated for mobile units be equipped with the Trico Opto-Matic oiler (globe type with glass reservoir). Please read and review the following guidelines for operation, maintenance, and installation.

Proper oil level is obtained by adjusting the globe so that its base rests 6.5" from the base of the skid **(Fig. 1 and Fig. 2)**. The skid must be level and mounted properly to obtain a correct measurement **(refer to TTSB1)**.

Fig. 1

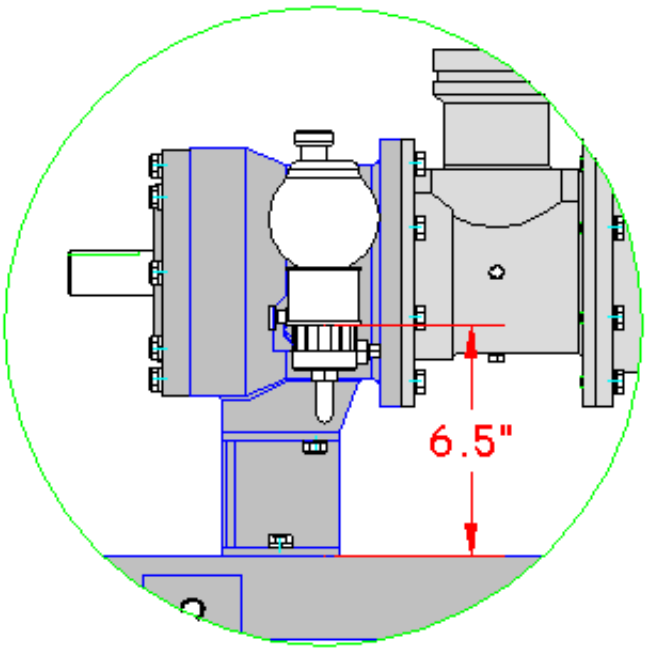
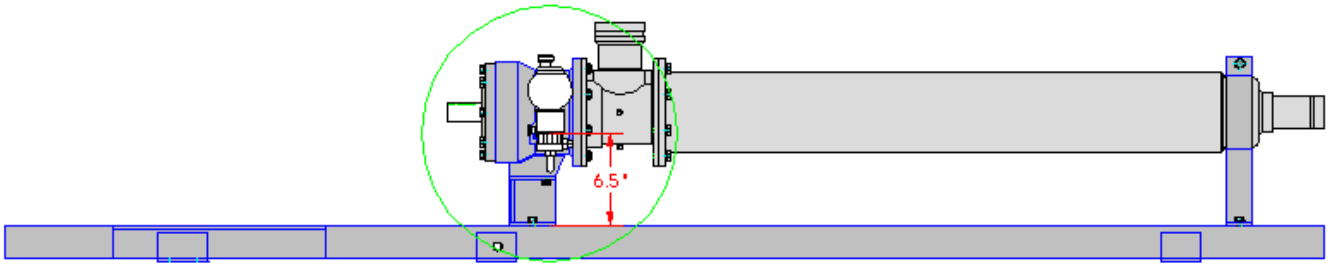


Fig. 2

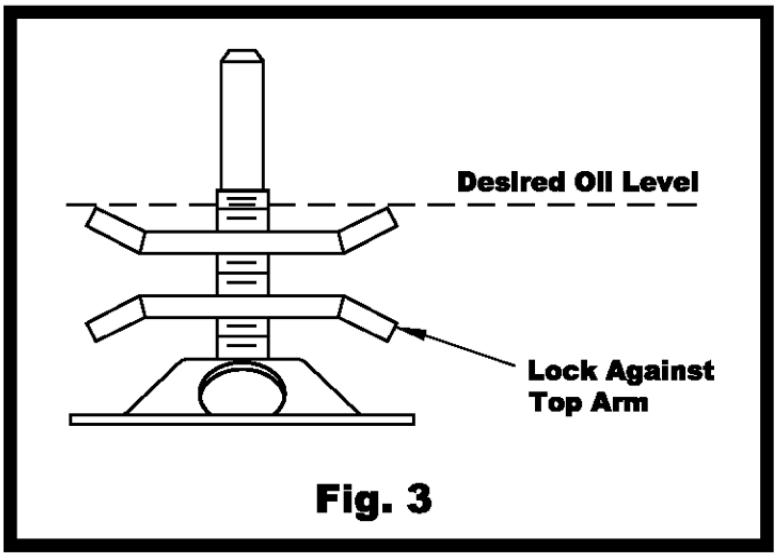


The dimension of 6.5" is based on the pump and motor having a common centerline of 8". Pumps that differ from this centerline must be adjusted accordingly. Subtract or add the deviation (from centerline) to the 6.5" dimension.

Installing or re-installing

1. Remove reservoir and level adjuster mechanism from lower casting.
2. Be sure that all connecting hardware is free from contaminants (burrs, chips, dirt, etc.) to prevent clogging or damage to the equipment to be lubricated.
3. Connect lower casting to bearing chamber either through the side connection or through the bottom connection. Use thread compound on all threaded areas.
4. Verify that assembly is level and parallel with desired oil level. Make necessary adjustments if required.
5. Set oil level adjuster mechanism. Thread top adjuster arm to desired level, then thread lower adjuster arm together with top to lock into place. (Fig. 3)

Fig. 3



6. Fill reservoir with oil. Back out screw on reservoir casting to avoid interference with lower casting upon assembly.

7. Invert and place reservoir over lower casting.
8. Run equipment to check proper lubrication levels. If oil level is too low, remove reservoir and raise arms on level adjuster mechanism slightly, then repeat steps 6 & 7. If oil level is too high, remove reservoir, lower level adjuster arms slightly and drain equipment until oil level is reached, then repeat steps 6 & 7. Turn setscrew to hold reservoir assembly in place.

Adjustment tip: Measure distance between bottle & casting edge **(Fig. 4 - this dimension may vary)**, replace bottle on adjustment arm in lower casting - mark dimension on outside of lower casting with temporary marker. **(Fig. 5)** This is the level setting.

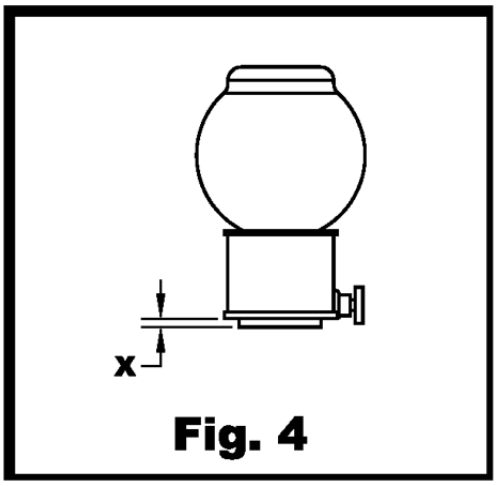


Fig. 4

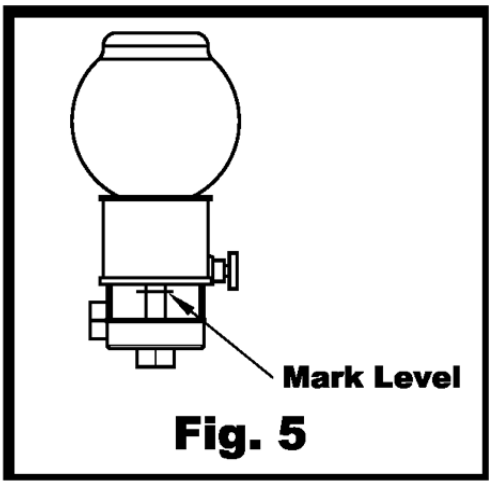


Fig. 5

Operation

1. Overfilling of equipment may occur due to repeated removal and replacement of reservoir. Add oil only when less than 1/3 of reservoir capacity remains to reduce filling frequency.
2. Oiler location with respect to bearing type, rotating speed of equipment, multiple start-ups, slinger rings, etc. may cause the oiler to misfeed. Check lubricant levels periodically to ensure proper application.
3. When environmental conditions such as rain, steam, dust, etc. are a concern, closed system oilers will lessen the chance of lubricant contamination.
4. High airflow conditions (fans, blowers, etc.) may cause the oiler to overfill equipment by creating a pressure imbalance. Vent pipe extensions (out of airflow) may have some effect. Closed system oilers will eliminate this condition.
5. Frequent equipment starts may cause overfilling.

You can contact us by phone at 304-366-1300 or by emailing our sales department.