Valves can directly replace difficult valves in the field

General

There are several three and six-way transfer valve designs currently being used that have, over the years, been improved upon. Problems encountered with these older designs are:

- **Leaking.** Straight plug designed valves leak substantially into the off-line ports. The closely machined plug and bore wear over time. Replacement plugs are costly.
- **Difficult jacking of plugs.** Valves with tapered plugs need to be jacked, then turned. This takes significant time.
- **Contaminated oil flows downstream when the older style valves are used on filters.** Tapered six-way plug valves are not sealed between the ‘clean’ and ‘dirty’ sides of the valve. These valves release dirty oil downstream of the filters when they are turned.
- **Unavailability of replacement parts.** Parts for the older valves are sometimes not available.

To address the problems encountered above, HILCO developed its own transfer valve in the mid-1970s. HILCO has replaced many older straight plug and tapered plug valves with the benefits we have to offer:

- **Little or no leaking.** HILCO’s ‘B’ design transfer valves leak no more than 40 ml. per minute. HILCO’s ‘D’ design valves have a tight ‘zero leak’ shut-off.
- **No jacking of the plugs.**
- **Easy, inexpensive rebuild.** If a valve needs servicing, only a set of pads and o-rings are required to rebuild the entire valve.
- **No contaminated oil downstream.** HILCO is also in the filter business so we realize the importance of not allowing dirty oil downstream.
- **Direct replacement.** For many valves in the field, HILCO valves will bolt right in.

Cross referencing to HILCO valves

Since many valves are missing part numbers, it may be difficult to cross-reference the valve. The back of this brochure has dimensional fill-in-the-blanks to help you find a successful cross.
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