

User manual for Manual-Operated Directional Control Valve

1. Hydraulic oil

- Type

Petroleum based hydraulic oil	The equivalent of ISO VG32 46 68
Synthetic hydraulic oil	Phosphate ester polyol ester
Flame retardant hydraulic oil	Water ethylene glycol

- Viscosity and temperature

Viscosity: 150 ~ 400cSt

Temperature: -15 ~ 70°C

- Cleanliness

In order to extend the service life of hydraulic components, the cleanliness of the oil should be kept within NAS 1638-12 level, and a pipeline oil filter with a filtration clarity of 25µm or more should be used.

2. Safety Information

- It should be avoided to connect T port of the valve to the pipelines that may have impact force, and the end of the return pipe must be immersed in oil.

3. Maintenance

- Regular inspection: Visual inspection to check for oil leakage, abnormal noise etc. Check if there is any looseness in the valve body and connecting parts.

- Regular cleaning: After a period of use, dirt may accumulate inside and affect the sealing performance. According to usage, clean the outer and inner of valves regularly.

- Regular tightening: During the use of valves, the connection parts may become loose. Check and tighten them regularly.

- Check the oil condition: Regularly check the use of oil and replace contaminated ones in a timely manner.