



WDO DRAWING OILS

The RichardsApex WDO Series is comprised of high film strength, fortified drawing oils especially formulated for the drawing of stainless, alloy, and metallic coated wire. These oils are available in a broad range of viscosities using various combinations of effective extreme pressure additives. Modifications are available to ensure the most desirable surface quality, die life, and cooling properties for each specific application.

The RichardsApex WDO Series is recommended for use in its "neat" form in either individual lubricant supply systems or central systems supplying many fine wire drawing machines. The largest volume of oil that is practical and economical for each plant system is recommended to provide maximum cooling. For the longest possible production life, an efficient filtration system is recommended to maintain the product in its original condition - free of the contaminants and moisture that could be injurious to the finished wire.

Benefits

Maintains exceptionally clean machines and circulation equipment

Provides maximum Die protection and produces clean, bright finishes at recommended temperatures between 30 - 40°C (90 - 105°F)

With effective filtration, this oil can have years of productive life. Additive packages are available to maintain E.P. properties. *

Specifications

| | WDO | WDO10LV | WDO10 | WDO57 | WDO67 | WDO76 |
|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|
| Density | 0.86 kg/L 7.2 lbs/gal | 0.89 kg/L 7.4 lbs/gal | 0.90 kg/L 7.5 lbs/gal | 0.98 kg/L 8.2 lbs/gal | 0.95 kg/L 7.9 lbs/gal | 0.875 kg/L 7.3 lbs/gal |
| Viscosity (38°C/100°F) | 5.5 cSt 44 SUS | 9.5 cSt 57 SUS | 16.1 cSt 82 SUS | 27 cSt 128 SUS | 65 cSt 300 SUS | 30.8 cSt 145 SUS |
| Sulfur (% Min) | 1.0 | 3.0 | 3.0 | 2.0 | 1.5 | 1.0 |
| Chlorine (% Typical) | 1.0 | 4.0 | 4.0 | 14.0 | 5.5 | 3.0 |

*Due to the complexity of the analysis, it is suggested that samples of the used WDO Series be sent to our laboratory semi-annually. Concentrates are recommended that will restore the drawing oil to its original condition. Please contact RichardsApex for information on additional drawing oils.