



265 Jefferson Avenue • Cleveland, Ohio 44113-2594
(216) 771-4300 • Ohio WATS (800) 362-1530
Fax (216) 771-1845

Product Information

Page 1 of 1

OIL CH 450, CH 450 RF & CH 460

Product Description **OIL CH 450, OIL CH 450 RF & OIL CH 460** contain extreme pressure additive chemistry working synergistically to reduce friction through a wide temperature range, which maximizes tool and die life. **OIL CH 450, OIL CH 450 RF & OIL CH 460** will provide high film strength and exhibit excellent heat transfer properties. The products are easily cleaned by most conventional cleaning systems.

OIL CH 450 & OIL CH 450 RF were developed for a wide variety of difficult cold forming operations on ferrous metals. **OIL CH 450 & OIL CH 450 RF** should flow directly on the punches and dies. **OIL CH 460** was developed for very heavy duty cold heading operations to improve die life.

- Benefits**
- Increase punch and die life
 - Residual films easily removed
 - High flash point
 - High viscosity index

Typical Specifications

	OIL CH 450	OIL CH 450 RF	OIL CH 460
Appearance	Clear/Dark	Clear/Dark	Clear/Dark
Viscosity cSt @100°F	75.0	68	72
Viscosity SUS @100°F	375	300	340
Flash °F, min.	375	375	375
Specific Gravity @60°F	0.93	0.93	0.93
Boundary Lubricants	present	present	Present
Extreme Pressure	present	present	Present
<i>Order Universal Oil Item Number:</i>	18 28 44	18 28 47	18 28 48

Refer to Universal Oil's Material Safety Data Sheet (MSDS) 18 28 39 for additional information.

The statements, technical information and recommendations contained herein are reliable, but given without warranty or guarantee of any kind. We assume no responsibility for loss, damage or expense, direct or consequential, arising out of the use of, or inability to use, our goods.