



Multi-Use Industrial Oil

Typical Specifications

Engine Armour Multi-Use Industrial Oil is formulated as a general workshop oil to bring slide-way, hydraulic, and gear performance in a single lubricant. The product thus allows significant inventory and supply chain cost reduction, and minimizes the possibility of lubricant misapplication. Engine Armour Multi-Use Industrial Oils protect ways which often carry machine tools in severe environments. Performance attributes that are needed by a sideway lubricant can vary significantly from application to application, though the following are very common: Antiwear/extreme pressure performance, anti-rust performance, yellow metal corrosion resistance, and anti-oxidancy. In addition, the smooth operation of the way can lead to improved accuracy and quality, so strong friction performance as measured by stick-slip resistance is essential. Given the proximity of the way to machine tools and their cutting fluids, a degree of separation from the cutting fluid is also needed. Indeed, emulsion-type cutting fluids will not be damaged by mixing with the Engine Armour Multi-Use Industrial Oil, as often this fluid is separated and circulated back to the cutting tool. This product is formulated in various ISO viscosity grades, with varying high and low temperature properties depending on ambient conditions.

Applications: (AGMA 9005-D94 Gear), (Cincinnati Machine Slideway), (DIN 51517 Hydraulic), (US Steel 224 Gear)

ISO Grade	32	68	220
API Gravity	29.5	30.0	29.0
Viscosity cSt			
@ 40 C	32.0	68.0	220
@ 100 C	5.2	8.8	22.6
Vis Index	100	100	100
Flash Point C			
Pour Point C	-12	-12	-12
Rust ASTM D 665 A,B	Pass	Pass	Pass
Corrosion			
ASTM D 130	Pass	Pass	Pass
Demulsibility			
ASTM D 2711	Pass	Pass	Pass
Oxidation, S-200	Pass	Pass	Pass
Foam Inhibition			
ASTM D892	Pass	Pass	Pass
Timkin OK Load, 60lb min	Pass	Pass	Pass

The data presented in this specification sheet are believed to be accurate; however, Engine Armour shall not be liable for its content and makes no warranty with respect thereto.