



ATLANTIC NEAT CUTTING OILS

PRODUCT DATA

DESCRIPTION

ATLANTIC NEAT CUTTING OILS are high performance mineral-oil-type, non-staining cutting oils. They contain a balanced selection of additives that maximizes performance. They meet the anti-weld and lubricity requirements of moderate machining operations on most alloys. These cutting oils do not stain either ferrous or nonferrous metals during cutting operations and, likewise, will not stain after machining.

ATLANTIC NEAT CUTTING OIL 3 is a light-colored, low-odor cutting oil. It is intended primarily for high-speed, deep-hole drilling and boring of all nonferrous metals. It also is recommended for the general machining of free-machining alloys, magnesium and free-machining brass, bronze, and phosphor bronze as well as high-speed, light-feed machining of screw stock steels. In addition, it can be used as a lubricating oil for certain high-speed spindles.

ATLANTIC NEAT CUTTING OIL 5 is primarily a dual- or tri-purpose cutting oil for automatic screw machine shops. It may be used as a cutting oil and/or a lubricating oil. It offers high lubricity and maximum cooling on hard, clean-cutting metals. This makes it especially suitable for high surface speed machining of screw stocks, aluminum, and brass. It also can be used for the general machining of nickel-tin-bronze alloys and the free-machining of steels, as well as for severe cutting operations of difficult-to-machine non-ferrous alloys, including silicon-copper, silicon-bronze, and copper-nickel.

ATLANTIC NEAT CUTTING OIL 10 is a heavy-duty, medium-viscosity, dual- or tri-purpose cutting oil. It offers superior cutting performance on free-machining stocks as well as tough metals, even in severe machining operations. It is an anti-mist oil and will not stain nonferrous metals. It is recommended for all kinds of grinding operations, including heavy-duty grinding of stainless steels and high-alloy steels. It reduces wheel loading, extends wheel life, improves finishes, and lowers operating temperatures.

APPLICATIONS

ATLANTIC NEAT CUTTING OIL 3 is intended primarily for high-speed, deep-hole drilling and boring of all nonferrous metals. It also is recommended for the general machining of free-machining alloys, magnesium and free-machining brass, bronze, and phosphor bronze as well as high-speed, light-feed machining of screw stock steels.

ATLANTIC NEAT CUTTING OIL 5 is primarily a cutting oil for automatic screw machine shops. It may be used as a cutting oil and/or a lubricating oil. It is especially suitable for high surface speed machining of screw stocks, aluminum, and brass. It also can be used for the general machining of nickel-tin-bronze alloys and the free-machining of steels, as well as for severe cutting operations of difficult-to-machine non-ferrous alloys, including silicon-copper, silicon-bronze, and copper-nickel.

ATLANTIC NEAT CUTTING OIL 10 is recommended for free-machining stocks as well as tough, draggy metals, even in severe machining operations. It is recommended for all kinds of grinding operations, including heavy-duty grinding of stainless steels and high-alloy steels.

PRODUCT FEATURES & BENEFITS

- Excellent machining capability
- Multipurpose applications
- Less misting tendency

TYPICAL TECHNICAL PROPERTIES			
	NCO - 3	NCO - 5	NCO -10
Product code	12650MVF	12651MVF	12652MVF
Kinematic Viscosity at 40°C, mm ² /s, ASTM D445	11.17	26.06	36.52
Kinematic Viscosity at 100 °C, mm ² /s, ASTM D445	2.8	5.0	6.5
Viscosity Index, ASTM D2270	90	119	132
Total Sulphur, ASTM D 2622, wt-%	0.29	0.537	1.099
Active Sulphur, ASTM D 1662, wt-%	Nil	Nil	Nil
Copper Strip Corrosion, ASTM D 130, 3 hrs @ 100° C, max	1A	1A	1A

Note: These characteristics are typical of current production. While future production will conform to Atlantic's specification, variations in these characteristics may occur.

Packing : 200 | 208 | 1000 L

ATL/PDS/MWF/012/0*, 10.08.15, Page 1/1
* supersedes all previous versions

Health and Safety: This lubricant, when used in accordance with our recommendations and for the application for which it is intended, does not constitute any special hazard. A safety data file conforming to the requirements of current EC legislation is available from your local trade consultant.