



ATLANTIC SYN-CUT SOLUBLE CUTTING OIL

Synthetic Soluble Cutting Fluid

DESCRIPTION

ATLANTIC SYN-CUT OILs are high-performance, multi-purpose water-soluble, semi-synthetic cutting fluids. They are formulated from high quality base oils, emulsifiers and additives to provide effective machining performance in moderate and heavy-duty machining operations on ferrous and non-ferrous materials. ATLANTIC SYN-CUT OILs are readily emulsifiable in water and form stable micro-emulsions. The products are engineered to be suitable for a wide range of water qualities and are resistant to foaming, even in high pressure systems. Their emulsions can provide extended coolant life relative to conventional soluble oils, with proper cutting fluid maintenance.

APPLICATIONS

ATLANTIC SYN-CUT OILs are recommended for a wide range of machining operations on metals of various harnesses. They can be equally used on both ferrous and non-ferrous metals.

ATLANTIC SYN-CUT 1 is suitable for moderate to heavy duty, tough machining of high carbon and alloy steels.

ATLANTIC SYN-CUT2 is suitable for heavy duty machining of steels and particularly for machining aluminum and its alloys with low staining potential.

PERFORMANCE FEATURES AND BENEFITS

- Excellent machining capabilities
- Easy to monitor and maintain
- Wide application range
- Excellent protection against rust and corrosion
- Suitable for a wide range of water qualities
- Low odor

RECOMMENDED DILUTIONS/OPERATIONS	ATLANTIC SYN-CUT 1	ATLANTIC SYN-CUT 2
Turning, drilling, milling	4-8%	6-8%
Heavy duty machining (ferrous)	5-8%	6-10%
Tough aluminum machining	4-8%	6-10%

TYPICAL TECHNICAL PROPERTIES

PRODUCT CODE	IL-MWF-03-25005	IL-MWF-03-25006
PRODUCT NAME	ATLANTIC SYN-CUT 1	ATLANTIC SYN-CUT 2
Appearance	Amber Liquid	Dark Liquid
Specific Gravity @ 20°C	0.97	0.95
Emulsion Type	Translucent	Semi-Translucent
pH @ 3% Emulsion	9.3	9.1
Corrosion test (IP 287) Breakpoint %	3.0	3.0
Refractometer Correction Factor	1.5	1.5

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

ATL/PDS/MWF/0014-12654-55MWF /01*, 10.05.25, Page 1/1

* supersedes all previous versions

Packing: 4L, 5L, 18L, 20L, 25L, 200L, 205L, 208L, 210L