

Oemeta 700 Series

Gas To Liquid neat oils for machining and grinding

High Flash Point

Flash point to viscosity ratio is very high increasing safety

Low Noack Index

Less evaporation of product means less loss during machining

Great Durability

With increased purity of the base oil comes greater stability

Low Foaming

Even with high pressure the air release characteristics are great

Transparent

Allows for visual inspection during machining process

Versatility

With viscosities ranging from 5 to 22 cSt most applications are covered

Chlorine Free

Creating a safer work environment

Cost Effective

With less loss and more durability the oil will last longer, saving you money

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Description

The 700 series of oils is based on a new technology using a process called Gas-To-Liquid or GTL.

This technology takes natural gas and converts it to a useable liquid oil, allowing for a product almost free of impurities like sulfur, nitrogen and aromatics. This leaves a clear, durable and pure product to be used as a base in making neat oils for the machining industry.

Due to its purity GTL's have several benefits over conventional mineral oil bases, most noticeably high flash point to viscosity ratios and low Noack indexes.

The high flash point to viscosity ratios allow for a safer work environment. For example conventional 22 cSt mineral oils can have flash points in the 360°F range where the Oemetol 720 has a flash point at 446°F. This allows for the process to be pushed harder and faster with less concern of fire.

The Noack Index refers to the test that measures evaporation

loss while heated, simulating the machining process. The lower this number than the less product is lost to the air while you are machining.

How does this help you?

With less evaporation you will have less oil in the air while you're breathing making for a safer work environment. The lower evaporation also means less loss of product; lowering usage and saving you money. This evaporation is also typically lower viscosity impurities in the oil. As these impurities leave the oil it changes the characteristics of how it machines. This means that the oil you start with may not be the oil you finish with, potentially changing the tool life and finish quality as it goes along.

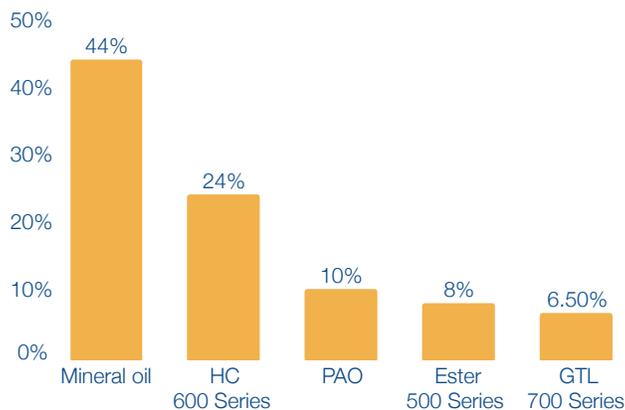
All together the GTL's are a leap forward in modern cutting oil technology and can offer you greater safety and save you money.

Oemeta - metalworking coolants from specialists for specialists.

Product Characteristics

	Products			
	705	710	715	720
Viscosity (cSt)	5	10	15	22
Flash Point °F	291	399	414	446
Flash Point °C	144	204	212	230
Noack Index %	10.3% @ 150°C	24.3% @ 250°C	23.5% @ 250°C	6.5% @ 250°C
Chlorine (Y/N)	No	No	No	No
EP Additives	N/A	Sulfur	Sulfur	Sulfur

Evaporation



Flash Point

