

Supplier - SMART OIL
Smart Base AW2185
Lubricity / Anti-wear Booster
Lubricity / Anti-Wear Booster

Typical Properties

Appearance	Pale Yellow Liquid
Specific Gravity@25°C	0.950 - 1.050
Viscosity@40°C, cSt	150 - 220
Std Packaging (NW / GW, Kg)	217.0 / 200.0

Product Description

SMART BASE AW2185 is a low odor, low foam polyether ester that provides excellent wetting, lubricating and anti-wear properties.

SMART BASE AW2185 has inverse solubility characteristic that can develop oil films at the contact points between cutting/grinding tool and the workpieces, where heat is built. It can effectively dissipate produced heat and protect the tools from wearing.

SMART BASE AW2185 is recommended for use in formulating fully-synthetic coolants that can enhance product finishing, and has anti-corrosion capability for aluminum alloys.

SMART BASE AW2185 can also be formulated into soluble oils or semi-synthetic coolants where chlorinated paraffin is not preferable.

SMART BASE AW2185 is insoluble in water, but prone to be soluble when blended with the alkalic nature compound, the final value of alkalinity depends on the added quantities of alkaline material. In addition, prior neutralization of **SMART BASE AW2185** can be made by amines such as triethanolamine, diethanolamine, or monoethanolamine before blended into the synthetic coolants.

SMART BASE AW2185 exhibits no foam property in alkaline environment.

Applications

General Application

Suggested Treat Rates, %wt

3 - 15

Print date: 05-05-24

Disclaimer: Information provided by this website and product page including specifications, applications and formulations are based on tests and data supplied by Smart Oil companies, manufacturers or any of our collaborated companies or suppliers, which are believed to be correct and reliable at the time of writing and data update. However, Smart Oil companies, manufacturers or any of our collaborated companies or suppliers make no warranty or responsibility, express or implied, of any kind regarding products, performance, formulations or applications, as operation conditions and application environments are beyond our control, or products will be modified by action of manufacturers or due to change in market environments. Users are herewith expressly requested to conduct test to determine the suitability of our products or product information before use. Furthermore, we regret that we cannot be responsible for informing customers any changes in specifications, formulations, or other technical contents on this website and product page. Also, We hereby state that all product trademarks other than Smart Oil, including trademarks from our , suppliers are the trademarks belong to the respective companies, or from their sources.