

Supplier - ARKEMA

TPS 32*Dialkyl Penta-sulfide
Tertiaryalkyl Poly-Sulfides*

Typical Properties

Appearance	Clear Yellow Fluid
Sulphur Content(Active),%wt	29 - 32 (23)
Color(ASTM D1544)	≤ 10
Flash Point(ASTM D93,Closed Cup),°C	> 121
Density@20°C	1.010
Viscosity@20°C,mPa.s	603
Viscosity@50°C,mPa.S	64
Pour Point,°C	≤ -20
Refraction Index	1.547
P _B / P _D ⁺	82 / 315
Load wear index ⁺	72
4 Ball Wear(IP239,40kg,1h),mm	1.07
Richart Test(300N Load),mm ²	9.7
4 Ball Wear(IP239,40kg,1h),mm	1.07
Reichert Test(300N Load),mm ²	9.7
Copper Corrosion(Pure Product) ⁺⁺	4c
Copper Corrosion(Dimercaptothiadiazole Added, %) ⁺⁺	1a - 1b (0.3)

+ 4 Ball EP, ASTM D2783, 5% in Paraffinic Base Oil

++Copper Corrosion, ASTM D130

Product Description

TPS 32 is an extreme-pressure additive for lubricants.

TPS 32 is an additive for straight and soluble cutting oils used with non copper alloys. Its tertiary dodecyl chain being extremely stable, **TPS 32** is the most efficient dialkyl pentasulfide.

TPS 32 has a high active sulphur content and corrodes copper. This corrosion is easily inhibited, but for lubricants used with copper alloys we recommend **TPS 20**.

TPS 32 is totally soluble in most hydrocarbonated solvents such as benzene, toluene, white spirit, fuels. It is fully compatible with mineral and vegetable oils. It is slightly soluble in light alcohols and is not soluble in water.

Print date: 01-05-26

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.