

Universal products

# rhenus TU 446

Water-miscible  
coolant

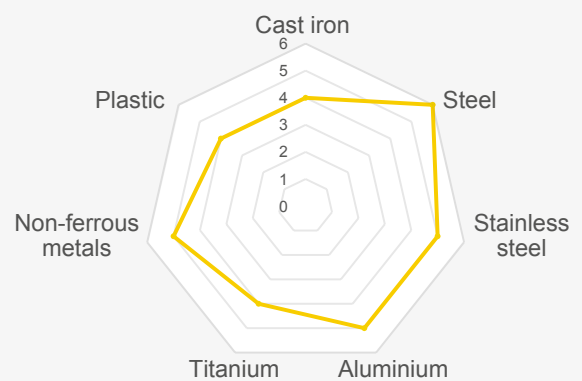


- Flexible and efficient: coolant perfectly tailored to changing machining conditions; suitable for the most demanding materials
- Simple handling in operational processes: no GHS labels or associated restrictions resulting from legal requirements
- Low-maintenance and cost-optimised: Composition creates the ideal conditions for ensuring machines stay clean and workpieces remain free of residue

## Key features




- High-quality all-round product with a wide range of applications
- For materials that are particularly sensitive to stains
- Can also be used with non-ferrous metals, especially copper alloys
- Tested for compatibility with polyurethane and paint
- Also suitable for use with low water hardness
- Long-term stability and low odour

## Material suitability



6 = ideally suited 0 = less well suited

## Material compatibility

	Copper	Al 5083	Al 7075
rhenus TU 446	 No corrosion, no discolouration	 No corrosion, no discolouration	 No corrosion, no discolouration

Total Immersion Corrosion Test (ASTM F 483)

If you have any questions, please do not hesitate to email us at [sales@rhenuslub.de](mailto:sales@rhenuslub.de) or call us on +49 (0)2161 58690

## Areas of application



Grinding



Turning



Drilling



Milling

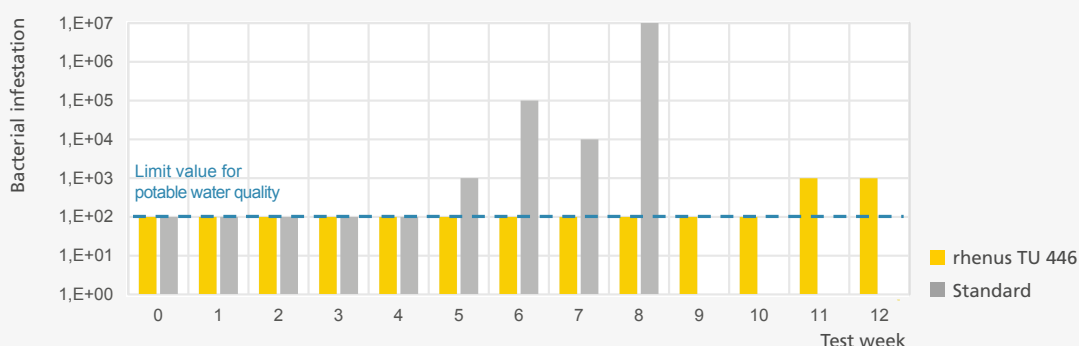


Thread machining



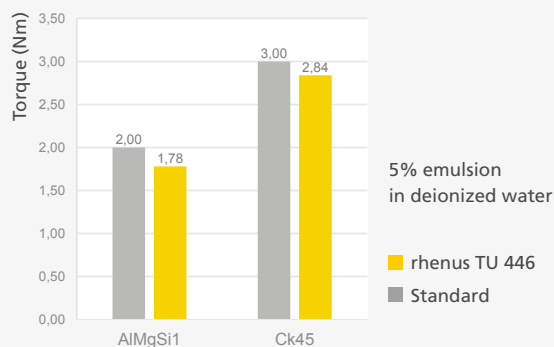
## Performance

### Test for long-term stability

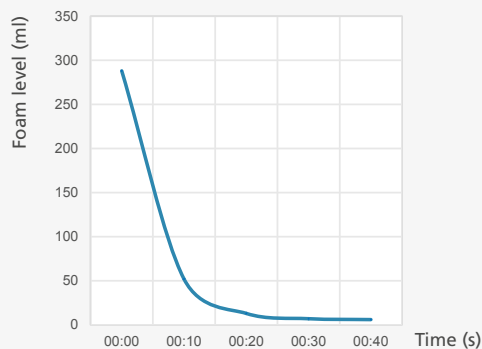


Inoculation cycle test with high concentration of bacteria (laboratory test, dipslide after 48 hours)

### Tapping Torque Test



### Foam decay

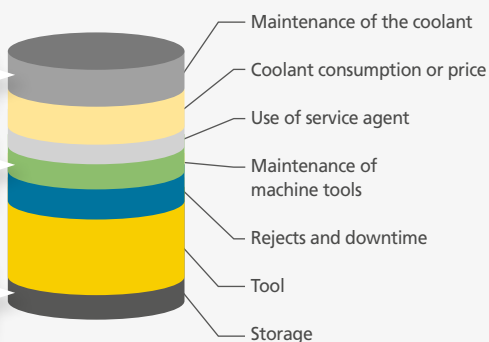


## Cost benefits

Fewer maintenance actions

Prevents residue,  
long change intervals

Easy to handle in-house  
thanks to water hazard class 1



Cost factors influenced by coolant

## Environment and health and safety

- ✓ Perfect alternative to products based on secondary amines
- ✓ No GHS pictograms
- ✓ No SVHC ingredients
- ✓ No formaldehyde releaser used
- ✓ Water hazard class 1