

STRUB Spindelfluid XLI+ Concentrate

Anti-corrosion fluid for spindle cooling systems

Art.-No. 31379

Description

STRUB Spindle Fluid XLI+ Concentrate is a corrosion protection fluid for spindle and all other cooling systems. Biostatic therefore bacteria-resistant fully synthetic fluid with long-term corrosion protection on all metals incl. aluminium-iron-copper-zinc and solder alloys.

Application

Before initial filling with STRUB Spindelfluid XLI+ Concentrate, we recommend cleaning the system with beforehand using a mixture of 2% by volume of STRUB Spindle Fluid XLI + in water and system cleaner (Concentration used depending on the contamination, see PDS system cleaner) perform. Allow to circulate for at least 2 hours, drain the system completely and refill with 7 vol/% up to 10 vol/% Spindle Fluid XLI+ Concentrate. Check the concentration using a refractometer.

Before changing the STRUB Spindle Fluid XLI+ Concentrate, which is usually done annually, we recommend adding a system cleaner beforehand (concentration used depending on the contamination, see PDS system cleaner). Leave this for 24 hours, then drain the system completely, rinse and refill the system with 7 vol/% up to 10 vol/% STRUB Spindle Fluid XLI+ Concentrate.

For the preparation of STRUB Spindle Fluid XLI+ Concentrate only tap/drinking water may be used which does not exceed the following limits.

Water hardness 20°dH, chloride 100 ppm, sulfate 100 ppm.

The concentration should be checked periodically by refractometer (%Brix).

Refractometer reading x 2.8 = vol/% effective concentration.

Features and advantages

- Prevents electrochemical corrosion
- Protects, among other things, against copper washout (complex formation) in the spindle cooling system
- Excellent cavitation protection
- Very efficient heat dissipation
- Low maintenance

Recommendation 7 vol/% up to 10 vol/% in tap water

Technical data

Concentrate: Appearance Density at 20°C pH value	visual g/cm ³	Fluorescent / clear 1.06 9.2
Spindle fluid: Appearance pH-value 5%y Corrosion test DIN 51360/2 (7%) Refractometer factor	visual Corrosion degree % / °Brix	Fluorescent / transparent 8.9 0/4 2.8 (multiply)

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