MOTOREX COOLANT-F

Corrosion-protection concentrate for spindle cooling systems

Description

COOLANT-F is a fully synthetic water-miscible corrosion-protection concentrate for spindle cooling systems. Its ingredients render the various materials passive and protect them against corrosion over the long term.
COOLANT-F does not contain any glycols, as a result of which it does not attack galvanized parts.

Advantages

- prevents electrochemical corrosion
- it protects aluminium, ferrous and non-ferrous metals
- it does not leach out copper; no blue discoloration!
- it does not attack galvanized parts
- it is compatible with plastics, such as NBR, PA,PE, PP, PUR-Ether (ELASTOGRAN 1100)

Maintenance

Replace COOLANT-F annually: add 3 % SWISSCARE SC to the cooling circuit. Drain the cooling system and flush with water after 24 hours. Then fill with freshly prepared coolant 5.0 ± 0.5 %.

Reference

COOLANT-F concentrate should be absolutely used within a yearly after the date of racking. The length of application of the ready for use amounts to maximally one year.

Area of application

Dilute COOLANT-F with tap water to obtain a 5.0 ± 0.5 % coolant. The concentration can be checked with a refract meter.

Concentration [%] = 1.2 x refract meter read off [% Brix]

Size of packing Liters	*System content Liters*
3	55 - 65
4	75 - 85
5	90 - 110

Only use opaque materials in the cooling circuit to prevent the growth of algae.

Always use COOLANT-F in the recommended concentration range. Insufficient concentrations can lead to undesirable corrosion and shorten the life of the elastomers (e.g. PUR-Ether) too greatly. An average operating temperature of 20 - 25 °C provides very effective long-term protection of elastomers sensitive to hydrolysis (e.g. PUR-Ether). These advantageous conditions can be created with a cooling unit.

Technical data

Properties	*Unit*	*Test according to*	*Values*
Colour		DIN ISO 2049	yellow fluorescent
Density at 20 °C	g/ml	ASTM D 4052	1.150
pH value		DIN 51785	8.8
pH value 5 % in water			8.4 – 8.6
Factor for handheld refractometer	% $Brix^{-1}$		1.2
Temperature range	°C		4 - 80

Water hazard class: WGK2
Disposal code: EWC 120109

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