

## AVIATICON SKM HV Bio 220

### Biodegradable saw chain medium

**AVIATICON SKM HV Bio 220** is a biodegradable, plant-based saw chain medium for heavy-duty applications, KWF-approved with the Blue Angel.

In forestry and woodworking, adhesive oils based on mineral oils are used. Mineral oils and the synthetic oils used as alternatives (alkylates) are not readily biodegradable. Drips and penetration into the soil are unavoidable in many applications, such as block pull oils, saw chain oils, adhesive oils, slideway oils, and conveyor chain oils.

**AVIATICON SKM HV Bio 220** offers a wide range of applications thanks to its good natural viscosity-temperature behavior. At temperatures above approximately +70 °C, the product exhibits significantly higher viscosity values than mineral oil adhesive oils. At subzero temperatures, these products remain more pumpable than mineral oils, and the viscosity increase is less pronounced. The bio-based carbon content is 90%. The adhesive medium **AVIATICON SKM HV Bio 220** contains a higher proportion of adhesion-enhancing and wear-reducing active ingredients.

**Manufactured without chlorine, PCB and PCT.**

#### Properties

- stable viscosity
- no mineral oil
- very good adhesion

#### Technical Data

ISO VG	220	DIN 51519
Color	0,5	
Density at +15 °C	0,920 g/cm³	DIN 51757
Viscosity at +40 °C	223,79 mm²/s	DIN 51562
Viscosity at +100°C	49,84 mm²/s	DIN 51562
Viscosityindex	281	DIN ISO 2909
Pour point	< -18 °C	DIN ISO 3016
Flashpoint	>150 °C	DIN ISO 2592

(The physical data are average values)

#### Classifications:

- Blauer Engel
- Kuratorium für Waldarbeit und Forsttechnik e.V. KWF-geprüft

#### Standard application:

FNR Bei Fachagentur Nachwachsende Rohstoffe e.V. gelistet



[www.blauer-engel.de/uz178](http://www.blauer-engel.de/uz178)

