



## PROBEOL SP 150 220

Synthetic biodegradable oils for industrial gears.

### ADVANTAGES

PROBEOL SP oils are eco-friendly products, created from synthetic saturated esters, designed for all types of gears for which a CLP oil (DIN 51517- Part 3) is recommended.

The high-performance additives used are also eco-friendly, and guarantee excellent results in terms of ageing resistance, anti-corrosion protection and lubrication properties.

### USES

PROBEOL SP oils were developed for industrial gears working in sensitive natural areas.

These oils meet the "Blauer Engel" ecological criteria (RAZ-UZ 79).

PROBEOL SP oils are immiscible with water, but are miscible with mineral oils. However, we advise against this type of mixture if the mineral oil content exceeds 2 %. It is recommended to choose the seals in conjunction with the manufacturer or our technical department, especially with regard to operating temperatures.

FKM/FPM and AU/EU seals are generally recommended, whereas NBR and H-NBR are generally inadvisable.

Characteristics	Standards	Units	150	220
Viscosity at 0°C	DIN 51569	mm <sup>2</sup> /s	1200	2000
Viscosity at 40°C	DIN 51569	mm <sup>2</sup> /s	150	220
Viscosity at 50°C	DIN 51569	mm <sup>2</sup> /s	100	150
Viscosity at 100°C	DIN 51569	mm <sup>2</sup> /s	25.5	33
Biodegradability	OECD 301B	%	>60	>60
Viscosity index	ISO 2909	-	>200	>190





## PROBEOL SP 150 220

Characteristics	Standards	Units	150	220
Density at 15°C	DIN51757	g/l	0.931	0.998
Pour point	ISO 3016	°C	<-30	<-27
Flash point	ISO 2592	°C	>250	>250
Test FZF A/8, 3/90	DIN 51354 T2	-	>12	>12
Cu corrosion	EN ISO 2160	-	1	1
Steel corrosion	DIN 51355	-	1-A	1-A
Service T°	DIN 51381	°C	-5/90	-5/90

*The characteristics are given purely for information and are consistent with our current production standards. IGOL reserves the right to modify them, in order to pass on technical developments to its customers. Before using this product, you should consult the instructions for use and the environmental impact shown on the technical and safety data sheets. The information given above is based on the current state of our knowledge of the product in question. The product user should take all relevant precautions relating to its use. Under no circumstances may IGOL be held liable for damages resulting from misuse.*

Document ref.: VIII-124-1508  
Published: 23/10/20

