Uniflor™ 8950

A light viscosity, completely fluorinated oil possessing very wide temperature capability, excellent oxidation resistance, excellent plastic and elastomer compatibility and resistance to aggressive chemicals.

Wind Turbines

Application: Slip Ring
Component Lubricated: Gold Rings and Fingers

In a wind turbine, both signal and power electrical connections must be made between the rotating blade shaft and the stationary generator. This is accomplished by the use of a **slip ring** made of gold rings and gold fingers that ride along as the assembly rotates. A lubricant must be used to protect the surfaces and prevent wear. A PFPE oil, such as Uniflor 8950, will protect the slip ring from debris and contamination, and will also **reduce the wear** on the gold rings and fingers of the slip ring.

Uniflor 8950 also **extends the maintenance and lubrication cycle** of the slip-ring, compared to a synthetic hydrocarbon lubricant. It will reduce maintenance costs by decreasing the number of times technicians are forced to climb into the turbine nacelle, and also by reducing the amount of lubricant used on the slip ring.

Typical Properties

Lubricant Properties	Typical Value	Test Method
Temperature Range	-90 to 225°C	
Base Oil	PFPE	
Kinematic Viscosity (100°C)	5.6 cSt	ASTM D-445
Kinematic Viscosity (40°C)	17.7 cSt	ASTM D-445
Pour Point	-90°C	ASTM D-97
Flash Point	Non-flammable	ASTM D-92
Surface Tension (20°C)	23 dynes/cm	

Nye also manufactures and commercializes other **oils and greases** for the power generation industry. Additional lubricants are available to meet a wide range of application requirements. For further information, technical specifications, evaluation samples, questions about any Nye product, or to discuss a lubricant custom-designed for your application - call us at +1.508.996.6721 or visit us at www.nyelubricants.com.

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