

Technical data sheet

Rototilt® Fully Synthetic Oil

Description

Rototilt® Fully Synthetic Oil is a synthetic high pressure transmission oil of premium quality, capable of withstanding high loads. It is based on high quality PAO base oils, combined with carefully selected additives to ensure both protection and full performance for the Rototilt worm gears, under all conditions.

Use

Rototilt® Fully Synthetic Oil is developed for the worm gear in Rototilt tiltrotators and has a unique composition that ensures function during demanding work, such as high load when the tiltrotator is angled. The special additive mix also protects parts in the worm gear to ensure maximum service life.



Properties	Features
Synthetic base oil	Wide operating temperature range
	High load capacity
	Excellent wear protection
Selected additives	Multi-acting corrosion protection
	Low foam formation
	Good water separation
	Compatible with standard seal materials

Technical data

Properties	Value	Unit	Standard
Viscosity class	680	ISO VG	DIN ISO 3448
Density at 20°C	873.4	kg/m ³	DIN EN ISO 12185
Viscosity at 40°C	724.6	mm ² /s	DIN EN ISO 3104
Viscosity at 100°C	50.13	mm ² /s	DIN EN ISO 3104
Viscosity Index	121		DIN ISO 2909
Copper Strip Corrosion, 3h/100°C	1A		ASTM D 130
Pour point	-36	°C	ASTM D 5950-1

Approvals Outperforms DIN 51517-3 and approved with Rototilt load test

Rototilt tiltrotator	Oil volume in rotor unit
R1	0.2 liter
R2	0.45 liter
R3	1.0 liter
R4	1.5 liter
R5/RC5	2.0 liter
R6/RC6	2.0 liter
R8	3.0 liter
RC9	5.0 liter