

# XPS AVIATION ENGINE OIL



**XPS 5W-50 Full Synthetic Aviation Engine oil is a unique custom engine oil designed specifically for Rotax aircraft engines using MOGAS or with leaded and unleaded AVGAS.**

**RON451**



## DESCRIPTION

When you start your Rotax Aircraft engine, you need to know your equipment has the best fluid available running in its veins. Each spin of the prop is too important to trust it to sub-par fluids.

XPS Full Synthetic 5W-50 Aviation Engine Oil was designed specifically for Rotax Aircraft engines for the best performance, reliability and safety.

Over two-years' worth of development, forty tested variations of fluids, 20,000+ gallons of aviation fuel and 12+ fired engine tests led to the final formulation. We spent that time and effort to ensure you don't have to worry about the durability and reliability needed from the correct engine oil.

## APPLICATION

Formulated for Rotax powered aircraft using leaded or unleaded fuel. Not recommended in automotive applications with catalytic aftertreatment systems.

NOTE: This oil is only tested and released for use with a specified range of ROTAX® aircraft engine types. For further information which type of oil to be used for your engine type see our current relevant Service Instruction SI-915 i-001, SI-916 i-001, SI-914-019, SI-912-016, SI-912 i-001 Selection of suitable operating fluids for Rotax Engine Type 916 i (Series), 915 i (Series), 912 i (Series), 912 and 914 (Series).

Quantity	Part Number
Quarts (12/carton)	298110
5 Gallons	298114

FEATURE	BENEFIT
Detergency	Improved ring pack detergency in leaded and unleaded applications for longer service life
Wear Protection	Protection of internal components
Clutch Performance	Protects against excessive slipping of clutch
Volatility	Low evaporation for less consumption and low atmosphere volatility
Full Synthetic	Long oxidative life, improved volatility, and low temperature properties
SAE 5W-50	Wide viscosity range for operation in low and high temperatures
Color	Indicator dye for easier top ups before flight

Property	Unit	Method	Typical
Formula Type	-	-	Synthetic
SAE Viscosity Grade	-	-	5W-50
Color	-	-	Neon Yellow/Amber
Appearance	-	-	Clear
Odor	-	-	Mild Petroleum
Viscosity (KV), 100 C	cSt	ASTM D445	17.5
Viscosity (KV), 40 C	cSt	ASTM D445	105.1
Viscosity Index	-	ASTM D2270	184
API, 15.6 C	-	ASTM D1298	33.0
Speci c Gravity, 15.6 C	-	ASTM D1298	0.860
Density, 15.6 C	Kg/L	ASTM D1298	0.859
Flash Point	°C	ASTM D92	224
Pour Point	°C	ASTM D97	-39
Cold Crank Simulator (CCS), -30 C	cP	ASTM D5293	5,736
Low Temp Pumping Viscosity (MRV), @-35 C	cP	ASTM D4684	35,961
Evaporation Loss (Noack Volatility)	%	ASTM D5800	8.8
High Temp High Shear (HTHS), 150 C	cP	ASTM D4683	4.55

