



Tech topic

Oil change-over

Recommendations for changing engine oil brands

Key insight

When converting to a new oil, the percent concentration is equal to the percent of original oil from vertical-axis subtracted from

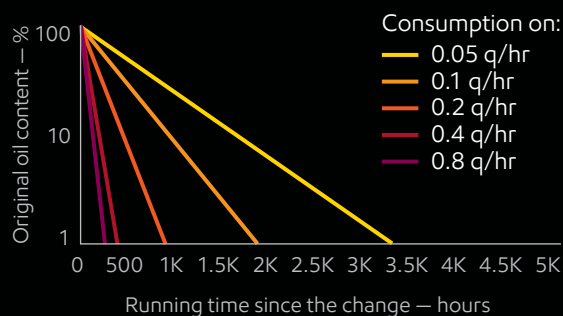
100%

Introduction

Conversion by top-off allows the original oil to be gradually phased out and replaced by the new oil. The chart below illustrates phase out rate based on several factors: the vertical axis, knowing the engine oil consumption, hours the engine operated during the top-off period and system capacity (quarts).

Phase-out rate of the original oil — system capacity assumed to be 40 US quarts

The graph shown here is calculated for an engine oil system of 40 US quarts capacity and for various oil consumption levels. It is shown on log/linear coordinates to enable the effect of the oil consumption levels to be demonstrated. To calculate the same consumption levels for a different capacity system, the x-axis should be multiplied by $V/40$, where V is the total engine oil system capacity in quarts.



For more information

Please contact your ExxonMobil aviation sales representative.

When an engine oil brand change is made, ExxonMobil aviation recommends simply topping off the system with the new oil brand. Always consult with the engine OEM for specific instructions when changing oil types.

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