

Aviation Lubricant Shelf Life

Updated information about our products.

Introduction

The shelf life of an aviation lubricant is the recommended time period during which ExxonMobil represents that the product is suitable for use (dispensing into equipment), provided the container has remained unopened, undamaged and was stored indoors. Normal storage temperatures should be in the 0° to 40° C (32° to 104° F) range. For certain products, short duration excursions outside of this range may be acceptable. Consult ExxonMobil.

- The shelf life of an Exxon™ and Mobil™ aviation lubricant is listed on the container as the “Use by” date
- If an Exxon or Mobil aviation lubricant container does not have a “Use by” date listed, check the manufacturing date in the Certificate of Analysis (COA) and add the recommended time period listed below to that date to determine the product’s shelf life

ExxonMobil may extend the shelf life of a specific batch of product based on package style, package condition, known storage history or test results from an approved laboratory.

Once a container is opened, the product should be protected from contamination. It is good practice to use an open container’s content as soon as possible. Since degradation after a container is opened depends on the particular product, storage and handling conditions or potential contamination by the end user, the standard shelf life recommendations listed below are no longer applicable.

Some organizations, such as the US military, have their own periodic product retest requirements. These requirements may not coincide with the ExxonMobil shelf life recommendations.

The recommended time period information below replaces all previous ExxonMobil recommendations and applies to unopened containers.

Product	Recommended Time Period
Mobil Jet™ Oil II, 254 and 387	10 years in quarts; 5 years in pails and drums; 2 years in totes
Mobil™ Turbo 284	10 years in quarts; 5 years in pails and drums
Mobil™ Turbo 319 A-2	10 years in quarts; 5 years in pails and drums
Mobil Avrex™ S Turbo 256	10 years in quarts; 5 years in pails and drums
Mobil Avrex™ M Turbo 201/1010	10 years in quarts; 5 years in pails and drums
Exxon™ Aviation Oil EE 65, 80, 100 and 120	10 years in any container
Exxon™ Aviation Oil 100, 120 and 20W-50	10 years in any container
Exxon Aviation Oil Elite™ 20W-50	10 years in quarts; 5 years in pails and drums
Mobil Aero™ HFA and HF	5 years in any container
Mobil Aero™ HFS	5 years in any container
Exxon HyJet™ IV-A^{plus}	10 years in quarts/gallons; 5 years in pails/drums
Exxon HyJet™ V	10 years in quarts/gallons; 5 years in pails/drums
Exxon Coolanol™ 20, 25R, OS-59 and 45R	5 years in any container
Mobilgrease™ 28	6 years in any container*
Mobilgrease™ 33	6 years in any container*
Mobil™ Aviation Grease SHC 100	6 years in any container*
Mobil AGL™ Synthetic Aviation Gear Lubricant	5 years in pails and drums

* If a layer of oil is observed on top of the grease, mix it into the top one-to-two inches (2.5 cm to 5.0 cm) of grease prior to use. Horizontally stored grease cartridges may bleed minor amounts of oil. This may make the container cosmetically unpleasing, but the grease remains suitable for use.

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