

Aviation products list

Our nose-to-tail lubricant solutions help reduce fleet maintenance and operating costs

Key fact

Products should be stored between

0°C-40°C.

Introduction

Shelf life refers to the recommended time period during which ExxonMobil advises that a product is suitable for use (dispensing into equipment), provided the container has remained unopened, undamaged and was stored indoors. For certain products, short-duration excursions outside of this range may be acceptable.

Exxon™ and Mobil™ aviation lubricants

The shelf life of Exxon- and Mobil-branded aviation lubricants is listed on the container as the “use by” date. If an Exxon- or Mobil-branded aviation lubricant container does not have a “use by” date listed, check the manufacturing date or certification date in the Certificate of Analysis (COA) and add the recommended time period listed on this document 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.

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Best practices

Once a container is opened, the product should be used as soon as possible to avoid contamination and degradation. Stated shelf life is no longer applicable once product is opened.

Organization-specific requirements

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.

Product	Package styles	MIL-SPEC/Approvals	Description	Recommended time period*
Mobil Jet™ Oil 387	<ul style="list-style-type: none"> • 24 x 1 quarts • 55-gallon drum 	<ul style="list-style-type: none"> • MIL-PRF-23699 HTS • SAE AS5780 HPC 	Synthetic aircraft turbine engine lubricating oil, HPC grade	10 years in quarts; 5 years in drums; 2 years in totes
Mobil Jet™ Oil 254	<ul style="list-style-type: none"> • 24 x 1 quarts • 55-gallon drum 	<ul style="list-style-type: none"> • MIL-PRF-23699F HTS • SAE AS5780 HPC 	Synthetic aircraft turbine engine lubricating oil, HTS/HPC grade	10 years in quarts; 5 years in pails and drums; 2 years in totes
Mobil Jet™ Oil II	<ul style="list-style-type: none"> • 24 x 1 quarts • 5-gallon pail • 55-gallon drum • 330-gallon totes 	<ul style="list-style-type: none"> • MIL-PRF-23699F STD • SAE AS5780 SPC 	Synthetic aircraft turbine engine lubricating oil, standard grade	10 years in quarts; 5 years in pails and drums; 2 years in totes
Mobil Avrex™ S Turbo 256	<ul style="list-style-type: none"> • 24 x 1 quarts • 55-gallon drum 	<ul style="list-style-type: none"> • MIL-PRF-7808, Grade 3 (QPL listed as RM 248A) 	Synthetic aviation gas turbine oil	10 years in quarts; 5 years in pails and drums
Mobil Avrex™ M Turbo 201/1010	<ul style="list-style-type: none"> • 5-gallon pail • 55-gallon drum 	<ul style="list-style-type: none"> • MIL-PRF-6081D, Grade 1010 	Mineral-based aviation gas turbine oil	10 years in quarts; 5 years in pails and drums
Exxon Aviation Oil Elite™ 20W-50	<ul style="list-style-type: none"> • 12 x 1 quarts • 55-gallon drum 	<ul style="list-style-type: none"> • SAE J1899 • MIL-L-22851D (obsolete) • Teledyne Continental Motors (MHS 24) • Textron Lycoming Spec. No. 301F 	Semisynthetic, ashless-dispersant multigrade piston engine oil	10 years in quarts; 5 years in pails and drums
Mobil AGL™ Synthetic Aviation Gear Lubricant	<ul style="list-style-type: none"> • 5-gallon pail • 55-gallon drum 	Consult with OEM or ExxonMobil representative	Synthetic helicopter gear oil	5 years in pails and drums
Mobil™ HyJet™ V	<ul style="list-style-type: none"> • 24 x 1 quarts • 6 x 1-gallon cans • 5-gallon pail • 55-gallon drum 	<ul style="list-style-type: none"> • Airbus NSA307110N Type V • ATR NSA307110N Type V • Boeing BMS 3-11P Type V, Grade A and Grade C • Boeing-Long Beach DMS 2014H Type 5 • Gulfstream 1159SCH302J Type V • SAE Aerospace Standard AS1241 Type V 	Type V fire-resistant phosphate ester-based hydraulic fluid	10 years in quarts/gallons; 5 years in pails/drums

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Mobil™ HyJet™ IV-A^{plus}	<ul style="list-style-type: none"> • 24 x 1 quarts • 6 x 1-gallon cans • 5-gallon pail • 55-gallon drum 	<ul style="list-style-type: none"> • Airbus NSA307110N • ATR NSA307110N • Boeing BMS 3-11P, Type IV, Class 1 and Type V, Grade B and Grade C • Boeing (Douglas Division) DMS 2014H • British Aerospace (Avro) BAC.M.333C • Bombardier/Canadair BAMS 564-003A • Bombardier/DeHavilland • Cessna • Embraer • Fokker • Gulfstream Aerospace 1159SCH302J • Lockheed C-34-1224C • SAE Aerospace Standard AS1241C 	Type IV fire-resistant phosphate ester-based hydraulic fluid	10 years in quarts/gallons; 5 years in pails/drums
Mobil Aero™ HF	<ul style="list-style-type: none"> • 24 x 1 quarts • 6 x 1-gallon cans • 5-gallon pail • 55-gallon drum 	<ul style="list-style-type: none"> • MIL-PRF-5606 • NATO Code H-515 	Mineral-based hydraulic oil	5 years in any container
Mobil Aero™ HFA	<ul style="list-style-type: none"> • 5-gallon pail • 55-gallon drum 	<ul style="list-style-type: none"> • MIL-H-5606A (obsolete) quality level 	Mineral-based hydraulic oil	5 years in any container
Mobilgrease™ 33	<ul style="list-style-type: none"> • 40 x 390 g (13.7 oz) cartridges • 4 x 2.0 kg/4.4 lb can • 16 kg/35.2 lb pail • 50 kg/110.2 lb keg 	<ul style="list-style-type: none"> • Airbus AIMS09-06-002 • Boeing BMS 3-33B Type 1 • MIL-PRF-23827C, Amendment 2, Type 1 • NATO G-354 • SAE AMS3052 	Synthetic multipurpose aircraft grease lithium complex thickener	10 years in any container [†]
Mobilgrease™ 28	<ul style="list-style-type: none"> • 40 x 390 g (13.7 oz) cartridges • 4 x 2.0 kg/4.4 lb can • 16 kg/35.2 lb pail • 50 kg/110.2 lb keg • 174 kg/383.6 lb drum 	<ul style="list-style-type: none"> • DOD-G-24508A Amendment 4 (quality level) • MIL-PRF-81322G • NATO G-395 	Synthetic multiple aircraft grease clay thickener	10 years in any container [†]
Mobil™ Aviation Grease SHC™ 100	<ul style="list-style-type: none"> • 4 x 2.0 kg/4.4 lb can • 16 kg/35.2 lb pail • 50 kg/110.2 lb keg 	Wheel builder approvals: <ul style="list-style-type: none"> • ABSC (Meggitt) • Dunlop (Meggitt) • Goodrich • Messier-Bugatti • Parker-Cleveland 	Synthetic aircraft wheel bearing grease lithium complex thickener	Up to 6 years in any container [†]

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[†]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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Mobil COOLANOL™ 20, 25R	<ul style="list-style-type: none">• 1 USG cans• 5 USG pails• Carton (6x1 USG cans)	<ul style="list-style-type: none">• MIL-C-47220B, Type IV• Boeing (McDonnell Douglas)• MMS-652, Rev A• Grumman GM 6003A, Amendment-No 1• Type I• Hughes Aircraft HMS 20 1458 Rev E• Northrop MS-138, Rev A	Synthetic dielectric heat transfer fluids	5 years in any container

For more information

Please contact your ExxonMobil aviation sales representative.

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