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.
## 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 Stated shelf life is no longer applicable once product is opened.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.

<table>
<thead>
<tr>
<th>Product</th>
<th>Package styles</th>
<th>MIL-SPEC/Approvals</th>
<th>Description</th>
<th>Recommended time period*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mobil Jet™ Oil 387</td>
<td>• 24 x 1 quarts</td>
<td>• MIL-PRF-23699 HTS</td>
<td>Synthetic aircraft turbine engine lubricating oil, HPC grade</td>
<td>10 years in quarts; 5 years in drums; 2 years in totes</td>
</tr>
<tr>
<td></td>
<td>• 55-gallon drum</td>
<td>• SAE AS5780 HPC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mobil Jet™ Oil 254</td>
<td>• 24 x 1 quarts</td>
<td>• MIL-PRF-23699F HTS</td>
<td>Synthetic aircraft turbine engine lubricating oil, HTS/HPC grade</td>
<td>10 years in quarts; 5 years in pails and drums; 2 years in totes</td>
</tr>
<tr>
<td></td>
<td>• 55-gallon drum</td>
<td>• SAE AS5780 HPC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mobil Jet™ Oil II</td>
<td>• 24 x 1 quarts</td>
<td>• MIL-PRF-23699F STD</td>
<td>Synthetic aircraft turbine engine lubricating oil, standard grade</td>
<td>10 years in quarts; 5 years in pails and drums; 2 years in totes</td>
</tr>
<tr>
<td></td>
<td>• 5-gallon pail</td>
<td>• SAE AS5780 SPC</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>• 55-gallon drum</td>
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</tr>
<tr>
<td></td>
<td>• 330-gallon totes</td>
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</tr>
<tr>
<td>Mobil Avrex™ S Turbo 256</td>
<td>• 24 x 1 quarts</td>
<td>• MIL-PRF-7808, Grade 3 (QPL listed as RM 248A)</td>
<td>Synthetic aviation gas turbine oil</td>
<td>10 years in quarts; 5 years in pails and drums</td>
</tr>
<tr>
<td></td>
<td>• 55-gallon drum</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mobil Avrex™ M Turbo 201/1010</td>
<td>• 5-gallon pail</td>
<td>• MIL-PRF-6081D, Grade 1010</td>
<td>Mineral-based aviation gas turbine oil</td>
<td>10 years in quarts; 5 years in pails and drums</td>
</tr>
<tr>
<td></td>
<td>• 55-gallon drum</td>
<td></td>
<td></td>
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<tr>
<td>Exxon Aviation Oil Elite™ 20W-50</td>
<td>• 12 x 1 quarts</td>
<td>• SAE J1899</td>
<td>Semisynthetic, ashless-dispersant multigrade piston engine oil</td>
<td>10 years in quarts; 5 years in pails and drums</td>
</tr>
<tr>
<td></td>
<td>• 55-gallon drum</td>
<td>• MIL-L-22851D (obsolete)</td>
<td></td>
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<td></td>
<td></td>
<td>• Teledyne Continental Motors (MHS 24)</td>
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<td></td>
<td></td>
<td>• Textron Lycoming Spec. No. 301F</td>
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<tr>
<td>Mobil AGL™ Synthetic Aviation Gear Lubricant</td>
<td>• 5-gallon pail</td>
<td>Consult with OEM or ExxonMobil representative</td>
<td>Synthetic helicopter gear oil</td>
<td>5 years in pails and drums</td>
</tr>
<tr>
<td></td>
<td>• 55-gallon drum</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mobil™ HyJet™ V</td>
<td>• 24 x 1 quarts</td>
<td>• Airbus NSA307110N Type V</td>
<td>Type V fire-resistant phosphate ester-based hydraulic fluid</td>
<td>10 years in quarts/gallons; 5 years in pails/drums</td>
</tr>
<tr>
<td></td>
<td>• 6 x 1-gallon cans</td>
<td>• ATR NSA307110N Type V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• 5-gallon pail</td>
<td>• Boeing BMS 3-11P Type V, Grade A and Grade C</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>• 55-gallon drum</td>
<td>• Boeing–Long Beach DMS 2014H Type 5</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>• Gulfstream 11595CH302J Type V</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>• SAE Aerospace Standard AS1241 Type V</td>
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</table>

*The recommended time period information below replaces all previous ExxonMobil recommendations and applies to unopened containers.
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<tr>
<td>Mobil™ HyJet™ IV-A** plus</td>
<td>• 24 x 1 quarts&lt;br&gt;• 6 x 1-gallon cans&lt;br&gt;• 5-gallon pail&lt;br&gt;• 55-gallon drum</td>
<td>• Airbus NSA307110N&lt;br&gt;• ATR NSA307110N&lt;br&gt;• Boeing BMS 3-11P, Type IV, Class 1 and Type V, Grade B and Grade C&lt;br&gt;• Boeing (Douglas Division) DMS 2014H&lt;br&gt;• British Aerospace (Avro) BAC.M.333C&lt;br&gt;• Bombardier/Canadair BAMS 564-003A&lt;br&gt;• Bombardier/DeHavilland&lt;br&gt;• Cessna&lt;br&gt;• Embraer&lt;br&gt;• Fokker&lt;br&gt;• Gulfstream Aerospace 1159CH302J&lt;br&gt;• Lockheed C-34-1224C&lt;br&gt;• SAE Aerospace Standard AS1241C</td>
<td>Type IV fire-resistant phosphate ester-based hydraulic fluid</td>
<td>10 years in quarts/gallons; 5 years in pails/drums</td>
</tr>
<tr>
<td>Mobil Aero™ HF</td>
<td>• 24 x 1 quarts&lt;br&gt;• 6 x 1-gallon cans&lt;br&gt;• 5-gallon pail&lt;br&gt;• 55-gallon drum</td>
<td>• MIL-PRF-5606&lt;br&gt;• SAE Aerospace Standard AS1241C</td>
<td>Mineral-based hydraulic oil</td>
<td>5 years in any container</td>
</tr>
<tr>
<td>Mobil Aero™ HFA</td>
<td>• 5-gallon pail&lt;br&gt;• 55-gallon drum</td>
<td>• MIL-H-5606A (obsolete) quality level</td>
<td>Mineral-based hydraulic oil</td>
<td>5 years in any container</td>
</tr>
<tr>
<td>Mobilgrease™ 33</td>
<td>• 40 x 390 g (13.7 oz) cartridges&lt;br&gt;• 4 x 2.0 kg/4.4 lb can&lt;br&gt;• 16 kg/35.2 lb pail&lt;br&gt;• 50 kg/110.2 lb keg</td>
<td>• Airbus AMS09-06-002&lt;br&gt;• Boeing BMS 3-33B Type 1&lt;br&gt;• MIL-PRF-23827C, Amendment 2, Type 1&lt;br&gt;• NATO G-354&lt;br&gt;• SAE AMS3052</td>
<td>Synthetic multipurpose aircraft grease lithium complex thickener</td>
<td>10 years in any container†</td>
</tr>
<tr>
<td>Mobilgrease™ 28</td>
<td>• 40 x 390 g (13.7 oz) cartridges&lt;br&gt;• 4 x 2.0 kg/4.4 lb can&lt;br&gt;• 16 kg/35.2 lb pail&lt;br&gt;• 50 kg/110.2 lb keg&lt;br&gt;• 174 kg/383.6 lb drum</td>
<td>• DOD-D-24508A Amendment 4 (quality level)&lt;br&gt;• MIL-PRF-81322G&lt;br&gt;• NATO G-395</td>
<td>Synthetic multiple aircraft grease clay thickener</td>
<td>10 years in any container†</td>
</tr>
<tr>
<td>Mobil™ Aviation Grease SHC™ 100</td>
<td>• 4 x 2.0 kg/4.4 lb can&lt;br&gt;• 16 kg/35.2 lb pail&lt;br&gt;• 50 kg/110.2 lb keg</td>
<td>Wheel builder approvals: &lt;br&gt;• ABSC (Meggitt)&lt;br&gt;• Dunlop (Meggitt)&lt;br&gt;• Goodrich&lt;br&gt;• Messier-Bugatti&lt;br&gt;• Parker-Cleveland</td>
<td>Synthetic aircraft wheel bearing grease lithium complex thickener</td>
<td>Up to 6 years in any container†</td>
</tr>
</tbody>
</table>

* The recommended time period information below replaces all previous ExxonMobil recommendations and applies to unopened containers.
† 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 | - 1 USG cans  
- 5 USG pails  
- Carton (6x1 USG cans) | - 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 |

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For more information
Please contact your ExxonMobil aviation sales representative.