Annex 7 EASA European Fleet Survey



European Piston Engine Fleet

Your safety is our mission.



- ➤ Introduction
- » Results
- > Conclusion for European Fleet

Introduction

- Request for information about European piston engine fleet required for evaluation of its fuel needs
- Problems
 - No single European aircraft register
 - No data provided by Italy, Greece, Czech Republic
 - Incorrect or missing engine designations
 - No data about engine utilisation available (no fleet hours)
 - No data about N-registered aircraft operated in Europe
- EASA Safety Analysis & Research Department Agency generated Excel list of engines installed in aircraft registered in EU member states (except I, GR, CZ), Iceland, Norway, Switzerland

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Rotax engines:

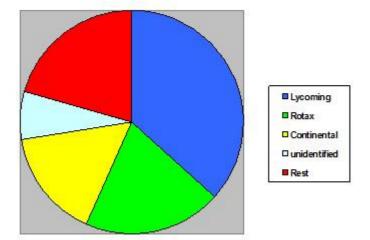
- Total number of piston engines: 54109
- > Total number of unidentified engines: 3792
- Continental engines: 6711 (single) + 1776 (twin) (incl. 591 RR Conti.) = 8487 engines
- Lycoming engines: 18254 (single) + 1658 (twin) = 19912 engines

= 10823 engines

- 5313 (2 stroke) + 5510 (4 strk.)
- Total minus Lycoming/Continental/Rotax = 14887 engines

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➤ Total number minus Lycoming/Continental/Rotax: 14887

> Total number of unidentified engines: 3792

14887 – 3792 = 11095 rest

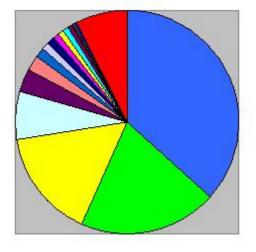
Solo engines: 1741
Limbach engines: 1199

TAE 125 engines: 749 (diesel engines)

M-14/AI-14 engines: 689 Gipsy Minor engines: 570 ASz-62 engines: 473 LOM Praha engines: 429 > VW Beetle derived: 420 > P&W radials: 281 Fuji-Robin engines: 163 Hirth two stroke: 147

Franklin engines: 121 other: 4113





a Lycoming

GRass

Cordinated

puridentified

gSide

GLinback

TSI 15

GA-103-14

Sigey blinar

JUN Bearle

GPW radials

FWP-Robin

glinb Sanda

gFwp-Robin

glinb Sanda

gFwy-Robin

glinb Sanda

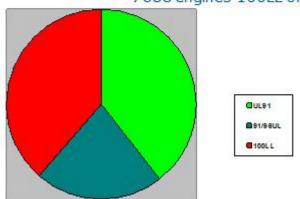
gFwy-Robin

glinb Sanda

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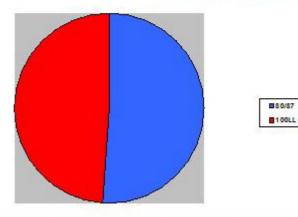
Lycoming engines: 19912 engines total 7871 engines UL91, 91/96UL, 100LL 4353 engines 91/96UL, 100LL 7688 engines 100LL only





Continental engines: 8487 engines total

4345 engines 80/87 4142 engines 100LL only



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Conclusion – European Fleet

➤ UL91 engines: 7871 Lycoming

4345 Continental (?)

10823 Rotax 3000 other?

91/96UL engines: 4353 Lycoming

473 ASz-62 xxx other?

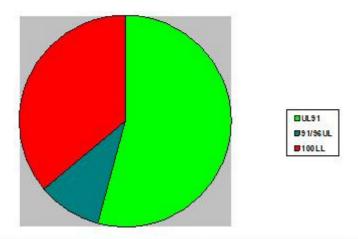
➤ 100LL engines: 7688 Lycoming

4142 Continental

4000 other?

Conclusion - European Fleet

➤ Estimate for European fleet



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EASA Cologne - Germany

Thank you very much for your attention!