

Survey on the Use of Automotive Gasoline in Aviation

Survey Toplines

April, 1999

RESPOND

How did this person respond to the survey?

- 1 COMPLETED, PLANE WAS FLOWN IN 1998 --continue
- 2 PLANE WAS NOT FLOWN IN 1998, (IN STORAGE)
- 3 PLANE WAS SOLD --ineligible
- 4 PLANE IS DISASSEMBLED, NOT FLOWN IN 1998 --ineligible

| | | Frequency | Percent | Valid Percent | Cum Percent |
|-------|---------------------------|-----------|---------|---------------|-------------|
| Valid | 1 Completed Survey | 670 | 80.0 | 80.0 | 80.0 |
| | 2 Plane not flown in 1998 | 94 | 11.2 | 11.2 | 91.2 |
| | 3 Plane was sold | 31 | 3.7 | 3.7 | 94.9 |
| | 4 Plane is disassembled | 43 | 5.1 | 5.1 | 100.0 |
| | Total | 838 | 100.0 | 100.0 | |

YRS

If indicated, enter number of years plane has not been in use.

(1-15)

15 15 YEARS OR MORE

99 NO ANSWER/NOT INDICATED

| | | Frequency | Percent | Valid Percent | Cum Percent |
|---------|--------------|-----------|---------|---------------|-------------|
| Valid | 1 | 2 | .2 | 1.3 | 1.3 |
| | 2 | 3 | .4 | 1.9 | 3.2 |
| | 3 | 3 | .4 | 1.9 | 5.1 |
| | 5 | 4 | .5 | 2.5 | 7.6 |
| | 7 | 1 | .1 | .6 | 8.3 |
| | 8 | 2 | .2 | 1.3 | 9.6 |
| | 10 | 3 | .4 | 1.9 | 11.5 |
| | 12 | 1 | .1 | .6 | 12.1 |
| | 15 15+ years | 4 | .4 | 2.6 | 14.6 |
| | 99 No answer | 134 | 16.0 | 85.4 | 100.0 |
| | Total | 157 | 18.7 | 100.0 | |
| Missing | System | 681 | 81.3 | | |
| Total | | 838 | 100.0 | | |

RELATION

Are you the.(Circle all that apply.)

- 1 Owner/Co-owner
- 2 Pilot
- 3 Mechanic
- 4 Administrator
- 5 Other (Please specify.)
- 9 Exit Code (No Answer)

RELATION 1

| | | Frequency | Percent | Valid Percent | Cum Percent |
|---------|-----------------------|-----------|---------|---------------|-------------|
| Valid | 1 Owner/Co-owner | 625 | 74.6 | 93.3 | 93.3 |
| | 2 Pilot | 34 | 4.1 | 5.1 | 98.4 |
| | 4 Administrator | 6 | .7 | .9 | 99.3 |
| | 5 Other | 4 | .5 | .6 | 99.9 |
| | 9 Exit Code/No Answer | 1 | .1 | .1 | 100.0 |
| | Total | 670 | 80.0 | 100.0 | |
| Missing | System | 168 | 20.0 | | |
| Total | | 838 | 100.0 | | |

RELATION 2

| | | Frequency | Percent | Valid Percent | Cum Percent |
|---------|-----------------------|-----------|---------|---------------|-------------|
| Valid | 1 Owner/Co-owner | 7 | .8 | 1.0 | 1.0 |
| | 2 Pilot | 420 | 50.1 | 62.9 | 63.9 |
| | 3 Mechanic | 9 | 1.1 | 1.3 | 65.3 |
| | 4 Administrator | 6 | .7 | .9 | 66.2 |
| | 5 Other | 2 | .2 | .3 | 66.5 |
| | 9 Exit Code/No Answer | 224 | 26.7 | 33.5 | 100.0 |
| | Total | 668 | 79.7 | 100.0 | |
| Missing | System | 170 | 20.3 | | |
| Total | | 838 | 100.0 | | |

RELATION 3

| | | Frequency | Percent | Valid Percent | Cum Percent |
|---------|-----------------------|-----------|---------|---------------|-------------|
| Valid | 1 Owner/Co-owner | 1 | .1 | .2 | .2 |
| | 3 Mechanic | 96 | 11.5 | 21.6 | 21.8 |
| | 4 Administrator | 15 | 1.8 | 3.4 | 25.2 |
| | 9 Exit Code/No Answer | 332 | 39.6 | 74.8 | 100.0 |
| | Total | 444 | 53.0 | 100.0 | |
| Missing | System | 394 | 47.0 | | |
| Total | | 838 | 100.0 | | |

RELATION 4

| | Frequency | Percent | Valid Percent | Cum Percent |
|------------------------|-----------|---------|---------------|-------------|
| Valid 1 Owner/Co-owner | 1 | .1 | .9 | .9 |
| 4 Administrator | 17 | 2.0 | 15.2 | 16.1 |
| 5 Other | 4 | .5 | 3.6 | 19.6 |
| 9 Exit Code/No Answer | 90 | 10.7 | 80.4 | 100.0 |
| Total | 112 | 13.4 | 100.0 | |
| Missing System | 726 | 86.6 | | |
| Total | 838 | 100.0 | | |

RELATION 5

| | Frequency | Percent | Valid Percent | Cum Percent |
|-----------------------|-----------|---------|---------------|-------------|
| Valid 5 Other | 3 | .4 | 13.6 | 13.6 |
| 9 Exit Code/No Answer | 19 | 2.3 | 86.4 | 100.0 |
| Total | 22 | 2.6 | 100.0 | |
| Missing System | 816 | 97.4 | | |
| Total | 838 | 100.0 | | |

CONSUME

What is the average hourly fuel consumption of the fixed-wing single engine aircraft under your care?

(NOTE: Gallons Per Hour)

99 No Answer

| | Frequency | Percent | Valid Percent | Cum Percent |
|-----------|-----------|---------|---------------|-------------|
| Valid 2.5 | 1 | .1 | .1 | .1 |
| 3.0 | 2 | .2 | .3 | .4 |
| 3.5 | 1 | .1 | .1 | .6 |
| 4.0 | 17 | 2.0 | 2.5 | 3.1 |
| 4.5 | 15 | 1.8 | 2.2 | 5.4 |
| 4.6 | 1 | .1 | .1 | 5.5 |
| 4.8 | 3 | .4 | .4 | 6.0 |
| 5.0 | 37 | 4.4 | 5.5 | 11.5 |
| 5.3 | 2 | .2 | .3 | 11.8 |
| 5.4 | 3 | .4 | .4 | 12.2 |
| 5.5 | 8 | 1.0 | 1.2 | 13.4 |
| 5.6 | 1 | .1 | .1 | 13.6 |
| 6.0 | 39 | 4.7 | 5.8 | 19.4 |
| 6.2 | 1 | .1 | .1 | 19.6 |
| 6.3 | 1 | .1 | .1 | 19.7 |
| 6.5 | 10 | 1.2 | 1.5 | 21.2 |
| 7.0 | 24 | 2.9 | 3.6 | 24.8 |
| 7.1 | 1 | .1 | .1 | 24.9 |

CONSUME (continued)

| | Frequency | Percent | Valid Percent | Cum Percent |
|------|-----------|---------|---------------|-------------|
| 7.2 | 1 | .1 | .1 | 25.1 |
| 7.3 | 1 | .1 | .1 | 25.2 |
| 7.5 | 17 | 2.0 | 2.5 | 27.8 |
| 7.6 | 1 | .1 | .1 | 27.9 |
| 8.0 | 69 | 8.2 | 10.3 | 38.2 |
| 8.2 | 1 | .1 | .1 | 38.4 |
| 8.3 | 2 | .2 | .3 | 38.7 |
| 8.5 | 18 | 2.1 | 2.7 | 41.3 |
| 8.6 | 1 | .1 | .1 | 41.5 |
| 8.7 | 1 | .1 | .1 | 41.6 |
| 8.8 | 1 | .1 | .1 | 41.8 |
| 8.9 | 1 | .1 | .1 | 41.9 |
| 9.0 | 46 | 5.5 | 6.9 | 48.8 |
| 9.2 | 1 | .1 | .1 | 49.0 |
| 9.5 | 7 | .8 | 1.0 | 50.0 |
| 9.6 | 1 | .1 | .1 | 50.1 |
| 10.0 | 73 | 8.7 | 10.9 | 61.0 |
| 10.5 | 4 | .5 | .6 | 61.6 |
| 11.0 | 18 | 2.1 | 2.7 | 64.3 |
| 11.5 | 4 | .5 | .6 | 64.9 |
| 11.7 | 1 | .1 | .1 | 65.1 |
| 12.0 | 51 | 6.1 | 7.6 | 72.7 |
| 12.3 | 1 | .1 | .1 | 72.8 |
| 12.5 | 8 | 1.0 | 1.2 | 74.0 |
| 12.6 | 1 | .1 | .1 | 74.2 |
| 12.9 | 1 | .1 | .1 | 74.3 |
| 13.0 | 32 | 3.8 | 4.8 | 79.1 |
| 13.5 | 2 | .2 | .3 | 79.4 |
| 13.9 | 1 | .1 | .1 | 79.6 |
| 14.0 | 31 | 3.7 | 4.6 | 84.2 |
| 14.5 | 3 | .4 | .4 | 84.6 |
| 15.0 | 36 | 4.3 | 5.4 | 90.0 |
| 16.0 | 19 | 2.3 | 2.8 | 92.8 |
| 16.5 | 1 | .1 | .1 | 93.0 |
| 17.0 | 7 | .8 | 1.0 | 94.0 |
| 17.4 | 1 | .1 | .1 | 94.2 |
| 17.5 | 1 | .1 | .1 | 94.3 |
| 18.0 | 12 | 1.4 | 1.8 | 96.1 |
| 18.5 | 2 | .2 | .3 | 96.4 |
| 19.0 | 3 | .4 | .4 | 96.9 |
| 20.0 | 4 | .5 | .6 | 97.5 |
| 21.0 | 1 | .1 | .1 | 97.6 |
| 24.0 | 1 | .1 | .1 | 97.8 |
| 25.0 | 2 | .2 | .3 | 98.1 |

CONSUME (continued)

| | Frequency | Percent | Valid Percent | Cum Percent |
|----------------|-----------|---------|---------------|-------------|
| 40.0 | 3 | .4 | .4 | 98.5 |
| 72.0 | 2 | .2 | .3 | 98.8 |
| 85.0 | 1 | .1 | .1 | 99.0 |
| 99.0 No Answer | 7 | .8 | 1.0 | 100.0 |
| Total | 670 | 80.0 | 100.0 | |
| Missing System | 168 | 20.0 | | |
| Total | 838 | 100.0 | | |

FLOWN

How many total hours was this aircraft flown in 1998?

99998 99,998 or more

99999 No Answer

| | Frequency | Percent | Valid Percent | Cum Percent |
|---------|-----------|---------|---------------|-------------|
| Valid 0 | 9 | 1.1 | 1.3 | 1.3 |
| 1 | 2 | .2 | .3 | 1.6 |
| 2 | 6 | .7 | .9 | 2.5 |
| 3 | 1 | .1 | .1 | 2.7 |
| 3 | 2 | .2 | .3 | 3.0 |
| 4 | 6 | .7 | .9 | 3.9 |
| 5 | 7 | .8 | 1.0 | 4.9 |
| 6 | 3 | .4 | .4 | 5.4 |
| 7 | 1 | .1 | .1 | 5.5 |
| 8 | 4 | .5 | .6 | 6.1 |
| 9 | 1 | .1 | .1 | 6.3 |
| 10 | 12 | 1.4 | 1.8 | 8.1 |
| 12 | 2 | .2 | .3 | 8.4 |
| 13 | 1 | .1 | .1 | 8.5 |
| 14 | 1 | .1 | .1 | 8.7 |
| 15 | 10 | 1.2 | 1.5 | 10.1 |
| 16 | 3 | .4 | .4 | 10.6 |
| 20 | 19 | 2.3 | 2.8 | 13.4 |
| 22 | 3 | .4 | .4 | 13.9 |
| 23 | 4 | .5 | .6 | 14.5 |
| 24 | 2 | .2 | .3 | 14.8 |
| 25 | 19 | 2.3 | 2.8 | 17.6 |
| 26 | 2 | .2 | .3 | 17.9 |
| 28 | 5 | .6 | .7 | 18.7 |
| 29 | 2 | .2 | .3 | 19.0 |
| 30 | 30 | 3.6 | 4.5 | 23.4 |
| 32 | 2 | .2 | .3 | 23.7 |
| 33 | 1 | .1 | .1 | 23.9 |

FLOWN (continued)

| | Frequency | Percent | Valid Percent | Cum Percent |
|-----|-----------|---------|---------------|-------------|
| 34 | 1 | .1 | .1 | 24.0 |
| 35 | 12 | 1.4 | 1.8 | 25.8 |
| 37 | 2 | .2 | .3 | 26.1 |
| 38 | 2 | .2 | .3 | 26.4 |
| 39 | 1 | .1 | .1 | 26.6 |
| 40 | 22 | 2.6 | 3.3 | 29.9 |
| 41 | 2 | .2 | .3 | 30.1 |
| 42 | 3 | .4 | .4 | 30.6 |
| 43 | 1 | .1 | .1 | 30.7 |
| 44 | 2 | .2 | .3 | 31.0 |
| 45 | 7 | .8 | 1.0 | 32.1 |
| 48 | 6 | .7 | .9 | 33.0 |
| 50 | 51 | 6.1 | 7.6 | 40.6 |
| 51 | 1 | .1 | .1 | 40.7 |
| 52 | 3 | .4 | .4 | 41.2 |
| 54 | 1 | .1 | .1 | 41.3 |
| 55 | 6 | .7 | .9 | 42.2 |
| 56 | 1 | .1 | .1 | 42.4 |
| 58 | 1 | .1 | .1 | 42.5 |
| 60 | 24 | 2.9 | 3.6 | 46.1 |
| 62 | 4 | .5 | .6 | 46.7 |
| 63 | 1 | .1 | .1 | 46.9 |
| 64 | 3 | .4 | .4 | 47.3 |
| 65 | 12 | 1.4 | 1.8 | 49.1 |
| 66 | 2 | .2 | .3 | 49.4 |
| 67 | 2 | .2 | .3 | 49.7 |
| 68 | 1 | .1 | .1 | 49.9 |
| 69 | 2 | .2 | .3 | 50.1 |
| 70 | 16 | 1.9 | 2.4 | 52.5 |
| 71 | 1 | .1 | .1 | 52.7 |
| 72 | 1 | .1 | .1 | 52.8 |
| 75 | 20 | 2.4 | 3.0 | 55.8 |
| 80 | 13 | 1.6 | 1.9 | 57.8 |
| 83 | 2 | .2 | .3 | 58.1 |
| 86 | 1 | .1 | .1 | 58.2 |
| 87 | 1 | .1 | .1 | 58.4 |
| 88 | 1 | .1 | .1 | 58.5 |
| 89 | 1 | .1 | .1 | 58.7 |
| 90 | 8 | 1.0 | 1.2 | 59.9 |
| 93 | 1 | .1 | .1 | 60.0 |
| 95 | 4 | .5 | .6 | 60.6 |
| 98 | 5 | .6 | .7 | 61.3 |
| 100 | 63 | 7.5 | 9.4 | 70.7 |
| 104 | 1 | .1 | .1 | 70.9 |

FLOWN (continued)

| | Frequency | Percent | Valid Percent | Cum Percent |
|-----|-----------|---------|---------------|-------------|
| 105 | 2 | .2 | .3 | 71.2 |
| 107 | 1 | .1 | .1 | 71.3 |
| 108 | 1 | .1 | .1 | 71.5 |
| 110 | 3 | .4 | .4 | 71.9 |
| 112 | 2 | .2 | .3 | 72.2 |
| 115 | 1 | .1 | .1 | 72.4 |
| 120 | 18 | 2.1 | 2.7 | 75.1 |
| 123 | 1 | .1 | .1 | 75.2 |
| 124 | 1 | .1 | .1 | 75.4 |
| 125 | 9 | 1.1 | 1.3 | 76.7 |
| 128 | 1 | .1 | .1 | 76.9 |
| 130 | 6 | .7 | .9 | 77.8 |
| 134 | 1 | .1 | .1 | 77.9 |
| 135 | 1 | .1 | .1 | 78.1 |
| 137 | 1 | .1 | .1 | 78.2 |
| 140 | 4 | .5 | .6 | 78.8 |
| 144 | 1 | .1 | .1 | 79.0 |
| 145 | 1 | .1 | .1 | 79.1 |
| 148 | 1 | .1 | .1 | 79.3 |
| 150 | 28 | 3.3 | 4.2 | 83.4 |
| 156 | 1 | .1 | .1 | 83.6 |
| 160 | 4 | .5 | .6 | 84.2 |
| 170 | 3 | .4 | .4 | 84.6 |
| 172 | 1 | .1 | .1 | 84.8 |
| 175 | 5 | .6 | .7 | 85.5 |
| 176 | 1 | .1 | .1 | 85.7 |
| 180 | 1 | .1 | .1 | 85.8 |
| 185 | 1 | .1 | .1 | 86.0 |
| 190 | 1 | .1 | .1 | 86.1 |
| 198 | 3 | .4 | .4 | 86.6 |
| 200 | 13 | 1.6 | 1.9 | 88.5 |
| 204 | 1 | .1 | .1 | 88.7 |
| 210 | 2 | .2 | .3 | 89.0 |
| 217 | 1 | .1 | .1 | 89.1 |
| 220 | 1 | .1 | .1 | 89.3 |
| 225 | 1 | .1 | .1 | 89.4 |
| 230 | 1 | .1 | .1 | 89.6 |
| 240 | 2 | .2 | .3 | 89.9 |
| 250 | 7 | .8 | 1.0 | 90.9 |
| 255 | 1 | .1 | .1 | 91.0 |
| 260 | 2 | .2 | .3 | 91.3 |
| 270 | 1 | .1 | .1 | 91.5 |
| 275 | 2 | .2 | .3 | 91.8 |
| 277 | 1 | .1 | .1 | 91.9 |

FLOWN (continued)

| | Frequency | Percent | Valid Percent | Cum Percent |
|-----------------|-----------|---------|---------------|-------------|
| 280 | 1 | .1 | .1 | 92.1 |
| 290 | 1 | .1 | .1 | 92.2 |
| 300 | 11 | 1.3 | 1.6 | 93.9 |
| 301 | 1 | .1 | .1 | 94.0 |
| 308 | 1 | .1 | .1 | 94.2 |
| 320 | 1 | .1 | .1 | 94.3 |
| 340 | 1 | .1 | .1 | 94.5 |
| 350 | 5 | .6 | .7 | 95.2 |
| 372 | 1 | .1 | .1 | 95.4 |
| 400 | 5 | .6 | .7 | 96.1 |
| 420 | 1 | .1 | .1 | 96.3 |
| 450 | 3 | .4 | .4 | 96.7 |
| 486 | 1 | .1 | .1 | 96.9 |
| 490 | 1 | .1 | .1 | 97.0 |
| 500 | 6 | .7 | .9 | 97.9 |
| 529 | 1 | .1 | .1 | 98.1 |
| 544 | 1 | .1 | .1 | 98.2 |
| 600 | 1 | .1 | .1 | 98.4 |
| 790 | 2 | .2 | .3 | 98.7 |
| 1200 | 1 | .1 | .1 | 98.8 |
| 99999 No Answer | 8 | 1.0 | 1.2 | 100.0 |
| Total | 670 | 80.0 | 100.0 | |
| Missing System | 168 | 20.0 | | |
| Total | 838 | 100.0 | | |

AVGAS

Is Aviation Gasoline (AVGAS) used in this aircraft 100% of the time it is flown?

- 1 Yes
- 2 No
- 9 No Answer

| | Frequency | Percent | Valid Percent | Cum Percent |
|----------------|-----------|---------|---------------|-------------|
| Valid 1 Yes | 517 | 61.7 | 77.2 | 77.2 |
| 2 No | 146 | 17.4 | 21.8 | 99.0 |
| 9 No Answer | 7 | .8 | 1.0 | 100.0 |
| Total | 670 | 80.0 | 100.0 | |
| Missing System | 168 | 20.0 | | |
| Total | 838 | 100.0 | | |

PERCENT

Of the fuel used in this aircraft during 1998, what percentage was:

- 1 100% MOGAS
- 2 75% MOGAS and 25% AVGAS
- 3 50% MOGAS and 50% AVGAS
- 4 25% MOGAS and 75% AVGAS
- 5 Other
- 9 No Answer

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|---------|------------------------------|-----------|---------|---------------|--------------------|
| Valid | 1 100% MOGAS | 37 | 4.4 | 24.2 | 24.2 |
| | 2 75% MOGAS and 25% AVGAS | 36 | 4.3 | 23.5 | 47.7 |
| | 3 50% MOGAS and 50% AVGAS | 35 | 4.2 | 22.9 | 70.6 |
| | 4 25% MOGAS and 75% AVGAS | 15 | 1.8 | 9.8 | 80.4 |
| | 5 Other | 18 | 2.1 | 11.8 | 92.2 |
| | 9 No Answer | 12 | 1.4 | 7.8 | 100.0 |
| | Total | 153 | 18.3 | 100.0 | |
| Missing | System | 685 | 81.7 | | |
| Total | | 838 | 100.0 | | |

PERCENTA

Of the fuel used in this aircraft during 1998, what percentage was AVGAS?

(NOTE: Total percentage should equal 100%!)

| | | Frequency | Percent | Valid Percent | Cum Percent |
|---------|--------|-----------|---------|---------------|-------------|
| Valid | 2 | 1 | .1 | 5.6 | 5.6 |
| | 5 | 3 | .4 | 16.7 | 22.2 |
| | 10 | 10 | 1.2 | 55.6 | 77.8 |
| | 90 | 2 | .2 | 11.1 | 88.9 |
| | 92 | 1 | .1 | 5.6 | 94.4 |
| | 95 | 1 | .1 | 5.6 | 100.0 |
| | Total | 18 | 2.1 | 100.0 | |
| Missing | System | 820 | 97.9 | | |
| Total | | 838 | 100.0 | | |

PERCENTM

Of the fuel used in this aircraft during 1998, what percentage was MOGAS?

(NOTE: Total percentage should equal 100%!)

| | Frequency | Percent | Valid Percent | Cum Percent |
|----------------|-----------|---------|---------------|-------------|
| Valid 5 | 1 | .1 | 5.6 | 5.6 |
| 8 | 1 | .1 | 5.6 | 11.1 |
| 10 | 2 | .2 | 11.1 | 22.2 |
| 90 | 10 | 1.2 | 55.6 | 77.8 |
| 95 | 3 | .4 | 16.7 | 94.4 |
| 98 | 1 | .1 | 5.6 | 100.0 |
| Total | 18 | 2.1 | 100.0 | |
| Missing System | 820 | 97.9 | | |
| Total | 838 | 100.0 | | |

TAXFUND

If you used MOGAS in your aircraft in 1998, did you file for a tax refund?

1 Yes

2 No

9 No Answer

| | Frequency | Percent | Valid Percent | Cum Percent |
|----------------|-----------|---------|---------------|-------------|
| Valid 1 Yes | 10 | 1.2 | 6.6 | 6.6 |
| 2 No | 130 | 15.5 | 85.5 | 92.1 |
| 9 No Answer | 12 | 1.4 | 7.9 | 100.0 |
| Total | 152 | 18.1 | 100.0 | |
| Missing System | 686 | 81.9 | | |
| Total | 838 | 100.0 | | |

OADJOB

Overall, how good a job do you think the Oregon Aeronautics Division does managing and planning aviation projects?

1 Excellent

2 Good

3 Fair

4 Poor

9 No Answer

| | Frequency | Percent | Valid Percent | Cum Percent |
|-------------------|-----------|---------|---------------|-------------|
| Valid 1 Excellent | 103 | 12.3 | 15.2 | 15.2 |
| 2 Good | 336 | 40.1 | 49.5 | 64.7 |
| 3 Fair | 136 | 16.2 | 20.0 | 84.7 |
| 4 Poor | 44 | 5.3 | 6.5 | 91.2 |
| 9 No Answer | 60 | 7.2 | 8.8 | 100.0 |
| Total | 679 | 81.0 | 100.0 | |
| Missing System | 159 | 19.0 | | |
| Total | 838 | 100.0 | | |