

TABLE 2 OF § 1048.810—SAE MATERIALS—Continued

| Document number and name   | Part 1048 reference |
|--|---------------------|
| SAE J2260, Nonmetallic Fuel System Tubing with One or More Layers, November 1996 ..... | 1048.105            |

(c) *ISO material.* Table 3 of this section lists material from the International Organization for Standardization that we have incorporated by reference. The first column lists the number and name of the material. The second column lists the section of this

part where we reference it. Anyone may purchase copies of these materials from the International Organization for Standardization, Case Postale 56, CH-1211 Geneva 20, Switzerland or <http://www.iso.org>. Table 3 follows:

TABLE 3 OF § 1048.810—ISO MATERIALS

| Document number and name  | Part 1048 reference |
|---|---------------------|
| ISO 9141-2 Road vehicles—Diagnostic systems—Part 2: CARB requirements for interchange of digital information, February 1994 .....     | 1048.110            |
| ISO 14230-4 Road vehicles—Diagnostic systems—Keyword Protocol 2000—Part 4: Requirements for emission-related systems, June 2000 ..... | 1048.110            |

[70 FR 40485, July 13, 2005]

**§ 1048.815 What provisions apply to confidential information?**

(a) Clearly show what you consider confidential by marking, circling, bracketing, stamping, or some other method.

(b) We will store your confidential information as described in 40 CFR part 2. Also, we will disclose it only as specified in 40 CFR part 2. This applies both to any information you send us and to any information we collect from inspections, audits, or other site visits.

(c) If you send us a second copy without the confidential information, we will assume it contains nothing confidential whenever we need to release information from it.

(d) If you send us information without claiming it is confidential, we may make it available to the public without further notice to you, as described in 40 CFR 2.204.

[70 FR 40486, July 13, 2005]

**§ 1048.820 How do I request a hearing?**

(a) You may request a hearing under certain circumstances, as described elsewhere in this part. To do this, you must file a written request, including a description of your objection and any

supporting data, within 30 days after we make a decision.

(b) For a hearing you request under the provisions of this part, we will approve your request if we find that your request raises a substantial factual issue.

(c) If we agree to hold a hearing, we will use the procedures specified in 40 CFR part 1068, subpart G.

[70 FR 40486, July 13, 2005]

**APPENDIX I TO PART 1048—LARGE SPARK-IGNITION (SI) TRANSIENT CYCLE FOR CONSTANT-SPEED ENGINES**

The following table shows the transient duty-cycle for constant-speed engines, as described in § 1048.510:

| Time(s)  | Normalized speed (percent) | Normalized torque (percent) <sup>1</sup> |
|----------|----------------------------|--|
| 1 .....  | 58                         | 5  |
| 2 .....  | 58                         | 5  |
| 3 .....  | 58                         | 5  |
| 4 .....  | 58                         | 5  |
| 5 .....  | 58                         | 5  |
| 6 .....  | 58                         | 5  |
| 7 .....  | 58                         | 5  |
| 8 .....  | 58                         | 5  |
| 9 .....  | 58                         | 5  |
| 10 ..... | 58                         | 5  |
| 11 ..... | 58                         | 5  |
| 12 ..... | 65                         | 8  |
| 13 ..... | 72                         | 9  |
| 14 ..... | 79                         | 12                                       |
| 15 ..... | 86                         | 14                                       |

| Time(s) | Normalized speed (per-cent) | Normalized torque (per-cent) <sup>1</sup> | Time(s) | Normalized speed (per-cent) | Normalized torque (per-cent) <sup>1</sup> |
|---------|-----------------------------|---|---------|-----------------------------|---|
| 16      | 93                          | 16  | 88      | 95                          | 17  |
| 17      | 93                          | 16  | 89      | 95                          | 13  |
| 18      | 93                          | 16  | 90      | 95                          | 10  |
| 19      | 93                          | 16  | 91      | 95                          | 9   |
| 20      | 93                          | 16  | 92      | 95                          | 8   |
| 21      | 93                          | 16  | 93      | 95                          | 7   |
| 22      | 93                          | 16  | 94      | 95                          | 7   |
| 23      | 93                          | 16  | 95      | 95                          | 6   |
| 24      | 93                          | 31  | 96      | 95                          | 6   |
| 25      | 93                          | 30  | 97      | 93                          | 37  |
| 26      | 93                          | 27  | 98      | 93                          | 35  |
| 27      | 93                          | 23  | 99      | 93                          | 29  |
| 28      | 93                          | 24  | 100     | 93                          | 23  |
| 29      | 93                          | 21  | 101     | 93                          | 23  |
| 30      | 93                          | 20  | 102     | 93                          | 21  |
| 31      | 93                          | 18  | 103     | 93                          | 20  |
| 32      | 93                          | 16  | 104     | 93                          | 29  |
| 33      | 93                          | 18  | 105     | 93                          | 27  |
| 34      | 93                          | 16  | 106     | 93                          | 26  |
| 35      | 93                          | 17  | 107     | 93                          | 35  |
| 36      | 93                          | 20  | 108     | 93                          | 43  |
| 37      | 93                          | 20  | 109     | 95                          | 35  |
| 38      | 93                          | 22  | 110     | 95                          | 24  |
| 39      | 93                          | 20  | 111     | 95                          | 17  |
| 40      | 93                          | 17  | 112     | 95                          | 13  |
| 41      | 93                          | 17  | 113     | 95                          | 10  |
| 42      | 93                          | 17  | 114     | 95                          | 9   |
| 43      | 93                          | 16  | 115     | 95                          | 8   |
| 44      | 93                          | 18  | 116     | 95                          | 7   |
| 45      | 93                          | 18  | 117     | 95                          | 7   |
| 46      | 93                          | 21  | 118     | 95                          | 6   |
| 47      | 93                          | 21  | 119     | 93                          | 36  |
| 48      | 93                          | 18  | 120     | 93                          | 30  |
| 49      | 94                          | 24  | 121     | 93                          | 25  |
| 50      | 93                          | 28  | 122     | 93                          | 21  |
| 51      | 93                          | 23  | 123     | 93                          | 22  |
| 52      | 93                          | 19  | 124     | 93                          | 19  |
| 53      | 93                          | 20  | 125     | 93                          | 34  |
| 54      | 93                          | 20  | 126     | 93                          | 36  |
| 55      | 93                          | 29  | 127     | 93                          | 31  |
| 56      | 93                          | 23  | 128     | 93                          | 26  |
| 57      | 93                          | 25  | 129     | 93                          | 27  |
| 58      | 93                          | 23  | 130     | 93                          | 22  |
| 59      | 93                          | 23  | 131     | 93                          | 22  |
| 60      | 93                          | 23  | 132     | 93                          | 18  |
| 61      | 93                          | 22  | 133     | 93                          | 18  |
| 62      | 93                          | 21  | 134     | 93                          | 19  |
| 63      | 93                          | 22  | 135     | 93                          | 19  |
| 64      | 93                          | 30  | 136     | 93                          | 23  |
| 65      | 93                          | 33  | 137     | 93                          | 22  |
| 66      | 93                          | 25  | 138     | 93                          | 20  |
| 67      | 93                          | 29  | 139     | 93                          | 23  |
| 68      | 93                          | 27  | 140     | 93                          | 20  |
| 69      | 93                          | 23  | 141     | 93                          | 18  |
| 70      | 93                          | 21  | 142     | 93                          | 18  |
| 71      | 93                          | 21  | 143     | 93                          | 16  |
| 72      | 93                          | 19  | 144     | 93                          | 19  |
| 73      | 93                          | 20  | 145     | 94                          | 25  |
| 74      | 93                          | 24  | 146     | 93                          | 30  |
| 75      | 93                          | 23  | 147     | 93                          | 29  |
| 76      | 93                          | 21  | 148     | 93                          | 23  |
| 77      | 93                          | 44  | 149     | 93                          | 24  |
| 78      | 93                          | 34  | 150     | 93                          | 22  |
| 79      | 93                          | 28  | 151     | 94                          | 20  |
| 80      | 93                          | 37  | 152     | 93                          | 17  |
| 81      | 93                          | 29  | 153     | 93                          | 16  |
| 82      | 93                          | 27  | 154     | 93                          | 16  |
| 83      | 93                          | 33  | 155     | 93                          | 15  |
| 84      | 93                          | 28  | 156     | 93                          | 17  |
| 85      | 93                          | 22  | 157     | 93                          | 18  |
| 86      | 96                          | 30  | 158     | 93                          | 20  |
| 87      | 95                          | 25  | 159     | 93                          | 21  |

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| Time(s) | Normalized speed (per-cent) | Normalized torque (per-cent) <sup>1</sup> | Time(s) | Normalized speed (per-cent) | Normalized torque (per-cent) <sup>1</sup> |
|---------|-----------------------------|---|---------|-----------------------------|---|
| 160     | 93                          | 18  | 232     | 93                          | 20  |
| 161     | 93                          | 17  | 233     | 93                          | 20  |
| 162     | 92                          | 54  | 234     | 93                          | 22  |
| 163     | 93                          | 38  | 235     | 93                          | 26  |
| 164     | 93                          | 29  | 236     | 93                          | 22  |
| 165     | 93                          | 24  | 237     | 93                          | 20  |
| 166     | 93                          | 24  | 238     | 93                          | 18  |
| 167     | 93                          | 24  | 239     | 93                          | 22  |
| 168     | 93                          | 23  | 240     | 93                          | 20  |
| 169     | 93                          | 20  | 241     | 94                          | 27  |
| 170     | 93                          | 20  | 242     | 93                          | 22  |
| 171     | 93                          | 18  | 243     | 93                          | 23  |
| 172     | 93                          | 19  | 244     | 93                          | 21  |
| 173     | 93                          | 19  | 245     | 93                          | 22  |
| 174     | 93                          | 16  | 246     | 95                          | 22  |
| 175     | 93                          | 16  | 247     | 95                          | 16  |
| 176     | 93                          | 16  | 248     | 95                          | 12  |
| 177     | 93                          | 18  | 249     | 95                          | 10  |
| 178     | 93                          | 21  | 250     | 95                          | 9   |
| 179     | 93                          | 20  | 251     | 95                          | 8   |
| 180     | 93                          | 20  | 252     | 96                          | 7   |
| 181     | 93                          | 17  | 253     | 95                          | 7   |
| 182     | 93                          | 19  | 254     | 95                          | 6   |
| 183     | 93                          | 17  | 255     | 92                          | 42  |
| 184     | 93                          | 18  | 256     | 93                          | 36  |
| 185     | 93                          | 16  | 257     | 93                          | 33  |
| 186     | 93                          | 16  | 258     | 92                          | 60  |
| 187     | 93                          | 16  | 259     | 93                          | 48  |
| 188     | 93                          | 17  | 260     | 93                          | 36  |
| 189     | 93                          | 16  | 261     | 93                          | 30  |
| 190     | 93                          | 17  | 262     | 93                          | 28  |
| 191     | 93                          | 18  | 263     | 93                          | 24  |
| 192     | 93                          | 17  | 264     | 93                          | 24  |
| 193     | 93                          | 16  | 265     | 93                          | 23  |
| 194     | 93                          | 17  | 266     | 93                          | 23  |
| 195     | 93                          | 17  | 267     | 93                          | 25  |
| 196     | 93                          | 22  | 268     | 93                          | 27  |
| 197     | 93                          | 19  | 269     | 93                          | 29  |
| 198     | 93                          | 19  | 270     | 93                          | 26  |
| 199     | 95                          | 21  | 271     | 93                          | 26  |
| 200     | 95                          | 16  | 272     | 93                          | 21  |
| 201     | 95                          | 12  | 273     | 93                          | 23  |
| 202     | 95                          | 10  | 274     | 93                          | 23  |
| 203     | 96                          | 8   | 275     | 94                          | 23  |
| 204     | 96                          | 7   | 276     | 93                          | 40  |
| 205     | 95                          | 7   | 277     | 94                          | 67  |
| 206     | 96                          | 7   | 278     | 93                          | 46  |
| 207     | 95                          | 6   | 279     | 93                          | 38  |
| 208     | 96                          | 6   | 280     | 93                          | 29  |
| 209     | 96                          | 6   | 281     | 93                          | 28  |
| 210     | 88                          | 6   | 282     | 93                          | 27  |
| 211     | 89                          | 48  | 283     | 93                          | 29  |
| 212     | 93                          | 34  | 284     | 93                          | 28  |
| 213     | 93                          | 27  | 285     | 94                          | 34  |
| 214     | 93                          | 26  | 286     | 93                          | 31  |
| 215     | 93                          | 25  | 287     | 93                          | 30  |
| 216     | 93                          | 22  | 288     | 94                          | 42  |
| 217     | 93                          | 23  | 289     | 93                          | 31  |
| 218     | 93                          | 21  | 290     | 93                          | 29  |
| 219     | 93                          | 21  | 291     | 93                          | 27  |
| 220     | 93                          | 23  | 292     | 93                          | 23  |
| 221     | 93                          | 23  | 293     | 93                          | 23  |
| 222     | 93                          | 23  | 294     | 93                          | 20  |
| 223     | 93                          | 23  | 295     | 93                          | 20  |
| 224     | 93                          | 23  | 296     | 93                          | 23  |
| 225     | 93                          | 22  | 297     | 93                          | 23  |
| 226     | 93                          | 22  | 298     | 93                          | 24  |
| 227     | 93                          | 24  | 299     | 93                          | 25  |
| 228     | 93                          | 23  | 300     | 93                          | 20  |
| 229     | 93                          | 23  | 301     | 93                          | 25  |
| 230     | 93                          | 21  | 302     | 93                          | 23  |
| 231     | 93                          | 20  | 303     | 93                          | 23  |

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| Time(s) | Normalized speed (per-cent) | Normalized torque (per-cent) <sup>1</sup> | Time(s) | Normalized speed (per-cent) | Normalized torque (per-cent) <sup>1</sup> |
|---------|-----------------------------|---|---------|-----------------------------|---|
| 304     | 93                          | 24  | 376     | 94                          | 23  |
| 305     | 93                          | 28  | 377     | 93                          | 18  |
| 306     | 93                          | 23  | 378     | 93                          | 19  |
| 307     | 93                          | 24  | 379     | 93                          | 23  |
| 308     | 93                          | 34  | 380     | 93                          | 19  |
| 309     | 93                          | 31  | 381     | 93                          | 16  |
| 310     | 93                          | 35  | 382     | 93                          | 25  |
| 311     | 93                          | 31  | 383     | 93                          | 22  |
| 312     | 93                          | 32  | 384     | 93                          | 20  |
| 313     | 93                          | 31  | 385     | 93                          | 25  |
| 314     | 93                          | 30  | 386     | 94                          | 28  |
| 315     | 93                          | 23  | 387     | 93                          | 23  |
| 316     | 93                          | 23  | 388     | 93                          | 23  |
| 317     | 93                          | 36  | 389     | 93                          | 25  |
| 318     | 93                          | 32  | 390     | 93                          | 23  |
| 319     | 93                          | 25  | 391     | 93                          | 20  |
| 320     | 93                          | 31  | 392     | 93                          | 19  |
| 321     | 93                          | 33  | 393     | 93                          | 24  |
| 322     | 93                          | 31  | 394     | 93                          | 20  |
| 323     | 93                          | 27  | 395     | 93                          | 18  |
| 324     | 93                          | 24  | 396     | 93                          | 21  |
| 325     | 93                          | 19  | 397     | 95                          | 22  |
| 326     | 96                          | 21  | 398     | 96                          | 16  |
| 327     | 96                          | 16  | 399     | 96                          | 12  |
| 328     | 95                          | 12  | 400     | 95                          | 10  |
| 329     | 95                          | 10  | 401     | 96                          | 9   |
| 330     | 95                          | 8   | 402     | 95                          | 8   |
| 331     | 95                          | 8   | 403     | 96                          | 7   |
| 332     | 95                          | 7   | 404     | 96                          | 7   |
| 333     | 95                          | 7   | 405     | 96                          | 6   |
| 334     | 95                          | 6   | 406     | 96                          | 6   |
| 335     | 95                          | 6   | 407     | 95                          | 6   |
| 336     | 95                          | 6   | 408     | 91                          | 6   |
| 337     | 87                          | 6   | 409     | 58                          | 6   |
| 338     | 57                          | 6   | 410     | 58                          | 6   |
| 339     | 58                          | 6   | 411     | 58                          | 6   |
| 340     | 58                          | 6   | 412     | 58                          | 6   |
| 341     | 58                          | 6   | 413     | 58                          | 6   |
| 342     | 58                          | 6   | 414     | 58                          | 6   |
| 343     | 58                          | 6   | 415     | 58                          | 6   |
| 344     | 58                          | 6   | 416     | 58                          | 6   |
| 345     | 58                          | 6   | 417     | 58                          | 6   |
| 346     | 58                          | 6   | 418     | 58                          | 6   |
| 347     | 58                          | 6   | 419     | 58                          | 6   |
| 348     | 58                          | 6   | 420     | 58                          | 6   |
| 349     | 58                          | 6   | 421     | 58                          | 6   |
| 350     | 58                          | 6   | 422     | 58                          | 6   |
| 351     | 58                          | 6   | 423     | 58                          | 6   |
| 352     | 95                          | 73  | 424     | 58                          | 6   |
| 353     | 93                          | 65  | 425     | 58                          | 6   |
| 354     | 93                          | 52  | 426     | 58                          | 6   |
| 355     | 93                          | 38  | 427     | 58                          | 6   |
| 356     | 93                          | 30  | 428     | 58                          | 6   |
| 357     | 93                          | 31  | 429     | 58                          | 6   |
| 358     | 93                          | 26  | 430     | 58                          | 6   |
| 359     | 93                          | 21  | 431     | 58                          | 6   |
| 360     | 93                          | 22  | 432     | 58                          | 6   |
| 361     | 93                          | 26  | 433     | 58                          | 6   |
| 362     | 93                          | 23  | 434     | 58                          | 6   |
| 363     | 93                          | 19  | 435     | 58                          | 6   |
| 364     | 93                          | 27  | 436     | 58                          | 6   |
| 365     | 93                          | 42  | 437     | 58                          | 6   |
| 366     | 93                          | 29  | 438     | 58                          | 6   |
| 367     | 94                          | 25  | 439     | 58                          | 6   |
| 368     | 94                          | 26  | 440     | 58                          | 6   |
| 369     | 94                          | 29  | 441     | 58                          | 6   |
| 370     | 93                          | 28  | 442     | 58                          | 6   |
| 371     | 93                          | 23  | 443     | 93                          | 66  |
| 372     | 93                          | 21  | 444     | 93                          | 48  |
| 373     | 93                          | 26  | 445     | 93                          | 40  |
| 374     | 93                          | 23  | 446     | 93                          | 34  |
| 375     | 93                          | 20  | 447     | 93                          | 28  |

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| Time(s) | Normalized speed (per-cent) | Normalized torque (per-cent) <sup>1</sup> | Time(s) | Normalized speed (per-cent) | Normalized torque (per-cent) <sup>1</sup> |
|---------|-----------------------------|---|---------|-----------------------------|---|
| 448     | 93                          | 23  | 520     | 96                          | 6   |
| 449     | 93                          | 28  | 521     | 83                          | 6   |
| 450     | 93                          | 27  | 522     | 56                          | 6   |
| 451     | 93                          | 23  | 523     | 58                          | 6   |
| 452     | 93                          | 19  | 524     | 72                          | 54  |
| 453     | 93                          | 25  | 525     | 94                          | 51  |
| 454     | 93                          | 24  | 526     | 93                          | 42  |
| 455     | 93                          | 22  | 527     | 93                          | 42  |
| 456     | 93                          | 31  | 528     | 93                          | 31  |
| 457     | 93                          | 36  | 529     | 93                          | 25  |
| 458     | 93                          | 28  | 530     | 93                          | 21  |
| 459     | 93                          | 25  | 531     | 93                          | 17  |
| 460     | 93                          | 35  | 532     | 93                          | 15  |
| 461     | 93                          | 34  | 533     | 93                          | 15  |
| 462     | 93                          | 29  | 534     | 93                          | 16  |
| 463     | 93                          | 37  | 535     | 93                          | 15  |
| 464     | 93                          | 36  | 536     | 93                          | 14  |
| 465     | 93                          | 38  | 537     | 93                          | 15  |
| 466     | 93                          | 31  | 538     | 93                          | 16  |
| 467     | 93                          | 29  | 539     | 94                          | 15  |
| 468     | 93                          | 34  | 540     | 93                          | 45  |
| 469     | 93                          | 36  | 541     | 93                          | 45  |
| 470     | 93                          | 34  | 542     | 93                          | 41  |
| 471     | 93                          | 31  | 543     | 93                          | 33  |
| 472     | 93                          | 26  | 544     | 93                          | 26  |
| 473     | 93                          | 21  | 545     | 93                          | 21  |
| 474     | 94                          | 16  | 546     | 93                          | 20  |
| 475     | 96                          | 19  | 547     | 93                          | 17  |
| 476     | 96                          | 15  | 548     | 93                          | 16  |
| 477     | 95                          | 11  | 549     | 93                          | 17  |
| 478     | 96                          | 10  | 550     | 93                          | 16  |
| 479     | 95                          | 8   | 551     | 93                          | 14  |
| 480     | 95                          | 7   | 552     | 93                          | 16  |
| 481     | 95                          | 7   | 553     | 93                          | 15  |
| 482     | 96                          | 7   | 554     | 93                          | 14  |
| 483     | 96                          | 6   | 555     | 93                          | 16  |
| 484     | 96                          | 6   | 556     | 93                          | 15  |
| 485     | 95                          | 6   | 557     | 93                          | 14  |
| 486     | 85                          | 6   | 558     | 93                          | 13  |
| 487     | 56                          | 74  | 559     | 93                          | 14  |
| 488     | 93                          | 52  | 560     | 93                          | 14  |
| 489     | 93                          | 42  | 561     | 93                          | 15  |
| 490     | 93                          | 36  | 562     | 93                          | 17  |
| 491     | 93                          | 35  | 563     | 93                          | 17  |
| 492     | 93                          | 33  | 564     | 93                          | 22  |
| 493     | 93                          | 38  | 565     | 93                          | 22  |
| 494     | 93                          | 40  | 566     | 93                          | 19  |
| 495     | 93                          | 29  | 567     | 93                          | 19  |
| 496     | 93                          | 23  | 568     | 93                          | 20  |
| 497     | 93                          | 23  | 569     | 93                          | 18  |
| 498     | 93                          | 24  | 570     | 93                          | 20  |
| 499     | 93                          | 24  | 571     | 93                          | 20  |
| 500     | 93                          | 20  | 572     | 93                          | 42  |
| 501     | 93                          | 19  | 573     | 93                          | 32  |
| 502     | 93                          | 16  | 574     | 93                          | 25  |
| 503     | 93                          | 21  | 575     | 93                          | 26  |
| 504     | 93                          | 23  | 576     | 93                          | 23  |
| 505     | 93                          | 24  | 577     | 93                          | 21  |
| 506     | 93                          | 22  | 578     | 93                          | 23  |
| 507     | 93                          | 18  | 579     | 93                          | 19  |
| 508     | 93                          | 21  | 580     | 93                          | 21  |
| 509     | 95                          | 18  | 581     | 93                          | 20  |
| 510     | 95                          | 20  | 582     | 93                          | 20  |
| 511     | 95                          | 15  | 583     | 93                          | 20  |
| 512     | 96                          | 11  | 584     | 93                          | 18  |
| 513     | 95                          | 10  | 585     | 93                          | 18  |
| 514     | 96                          | 8   | 586     | 93                          | 21  |
| 515     | 95                          | 7   | 587     | 93                          | 19  |
| 516     | 95                          | 7   | 588     | 93                          | 21  |
| 517     | 95                          | 7   | 589     | 93                          | 19  |
| 518     | 95                          | 6   | 590     | 93                          | 19  |
| 519     | 96                          | 6   | 591     | 93                          | 18  |

| Time(s) | Normalized speed (per-cent) | Normalized torque (per-cent) <sup>1</sup> | Time(s) | Normalized speed (per-cent) | Normalized torque (per-cent) <sup>1</sup> |
|---------|-----------------------------|---|---------|-----------------------------|---|
| 592     | 93                          | 18  | 664     | 95                          | 18  |
| 593     | 93                          | 17  | 665     | 95                          | 20  |
| 594     | 93                          | 16  | 666     | 94                          | 60  |
| 595     | 93                          | 16  | 667     | 95                          | 48  |
| 596     | 93                          | 15  | 668     | 95                          | 39  |
| 597     | 93                          | 16  | 669     | 95                          | 36  |
| 598     | 93                          | 19  | 670     | 95                          | 27  |
| 599     | 93                          | 52  | 671     | 95                          | 22  |
| 600     | 93                          | 45  | 672     | 95                          | 19  |
| 601     | 95                          | 39  | 673     | 95                          | 22  |
| 602     | 95                          | 39  | 674     | 95                          | 19  |
| 603     | 95                          | 39  | 675     | 94                          | 17  |
| 604     | 95                          | 39  | 676     | 95                          | 27  |
| 605     | 94                          | 30  | 677     | 95                          | 24  |
| 606     | 95                          | 30  | 678     | 98                          | 19  |
| 607     | 95                          | 29  | 679     | 98                          | 19  |
| 608     | 95                          | 24  | 680     | 98                          | 14  |
| 609     | 94                          | 30  | 681     | 98                          | 11  |
| 610     | 95                          | 28  | 682     | 98                          | 9   |
| 611     | 94                          | 25  | 683     | 98                          | 8   |
| 612     | 94                          | 29  | 684     | 98                          | 7   |
| 613     | 95                          | 32  | 685     | 98                          | 6   |
| 614     | 95                          | 33  | 686     | 98                          | 6   |
| 615     | 95                          | 44  | 687     | 98                          | 6   |
| 616     | 99                          | 37  | 688     | 98                          | 6   |
| 617     | 98                          | 27  | 689     | 98                          | 5   |
| 618     | 98                          | 19  | 690     | 81                          | 5   |
| 619     | 98                          | 13  | 691     | 49                          | 5   |
| 620     | 98                          | 11  | 692     | 78                          | 48  |
| 621     | 98                          | 9   | 693     | 95                          | 37  |
| 622     | 98                          | 7   | 694     | 95                          | 31  |
| 623     | 98                          | 7   | 695     | 94                          | 32  |
| 624     | 98                          | 6   | 696     | 94                          | 34  |
| 625     | 98                          | 6   | 697     | 95                          | 29  |
| 626     | 98                          | 6   | 698     | 95                          | 25  |
| 627     | 98                          | 5   | 699     | 94                          | 26  |
| 628     | 69                          | 6   | 700     | 95                          | 28  |
| 629     | 49                          | 5   | 701     | 95                          | 27  |
| 630     | 51                          | 5   | 702     | 94                          | 28  |
| 631     | 51                          | 5   | 703     | 95                          | 30  |
| 632     | 51                          | 5   | 704     | 95                          | 27  |
| 633     | 51                          | 6   | 705     | 95                          | 26  |
| 634     | 51                          | 6   | 706     | 95                          | 27  |
| 635     | 51                          | 6   | 707     | 95                          | 25  |
| 636     | 51                          | 6   | 708     | 95                          | 26  |
| 637     | 51                          | 5   | 709     | 95                          | 25  |
| 638     | 51                          | 5   | 710     | 95                          | 23  |
| 639     | 51                          | 5   | 711     | 95                          | 20  |
| 640     | 51                          | 5   | 712     | 95                          | 23  |
| 641     | 51                          | 6   | 713     | 95                          | 20  |
| 642     | 51                          | 6   | 714     | 95                          | 18  |
| 643     | 51                          | 6   | 715     | 94                          | 22  |
| 644     | 51                          | 6   | 716     | 95                          | 19  |
| 645     | 51                          | 5   | 717     | 95                          | 23  |
| 646     | 51                          | 6   | 718     | 95                          | 27  |
| 647     | 51                          | 5   | 719     | 95                          | 26  |
| 648     | 51                          | 6   | 720     | 95                          | 23  |
| 649     | 51                          | 5   | 721     | 95                          | 20  |
| 650     | 96                          | 35  | 722     | 99                          | 23  |
| 651     | 95                          | 29  | 723     | 98                          | 20  |
| 652     | 95                          | 26  | 724     | 98                          | 14  |
| 653     | 95                          | 31  | 725     | 98                          | 11  |
| 654     | 95                          | 34  | 726     | 98                          | 9   |
| 655     | 95                          | 29  | 727     | 98                          | 8   |
| 656     | 95                          | 29  | 728     | 98                          | 7   |
| 657     | 95                          | 30  | 729     | 98                          | 6   |
| 658     | 95                          | 24  | 730     | 98                          | 6   |
| 659     | 95                          | 19  | 731     | 98                          | 6   |
| 660     | 95                          | 23  | 732     | 98                          | 5   |
| 661     | 95                          | 21  | 733     | 98                          | 5   |
| 662     | 95                          | 22  | 734     | 73                          | 6   |
| 663     | 95                          | 19  | 735     | 49                          | 5   |

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| Time(s) | Normalized speed (per-cent) | Normalized torque (per-cent) <sup>1</sup> | Time(s) | Normalized speed (per-cent) | Normalized torque (per-cent) <sup>1</sup> |
|---------|-----------------------------|---|---------|-----------------------------|---|
| 736     | 50                          | 77  | 808     | 94                          | 20  |
| 737     | 95                          | 39  | 809     | 94                          | 22  |
| 738     | 95                          | 30  | 810     | 94                          | 22  |
| 739     | 95                          | 28  | 811     | 94                          | 22  |
| 740     | 94                          | 31  | 812     | 95                          | 23  |
| 741     | 95                          | 36  | 813     | 94                          | 22  |
| 742     | 95                          | 36  | 814     | 95                          | 22  |
| 743     | 95                          | 30  | 815     | 95                          | 19  |
| 744     | 95                          | 26  | 816     | 95                          | 16  |
| 745     | 95                          | 27  | 817     | 95                          | 14  |
| 746     | 95                          | 22  | 818     | 95                          | 18  |
| 747     | 95                          | 18  | 819     | 95                          | 18  |
| 748     | 95                          | 19  | 820     | 94                          | 20  |
| 749     | 95                          | 25  | 821     | 94                          | 22  |
| 750     | 94                          | 25  | 822     | 94                          | 19  |
| 751     | 95                          | 21  | 823     | 95                          | 18  |
| 752     | 95                          | 22  | 824     | 95                          | 17  |
| 753     | 95                          | 27  | 825     | 95                          | 19  |
| 754     | 95                          | 27  | 826     | 95                          | 19  |
| 755     | 95                          | 27  | 827     | 95                          | 19  |
| 756     | 95                          | 24  | 828     | 94                          | 19  |
| 757     | 94                          | 20  | 829     | 94                          | 21  |
| 758     | 94                          | 23  | 830     | 94                          | 19  |
| 759     | 94                          | 26  | 831     | 94                          | 17  |
| 760     | 95                          | 25  | 832     | 94                          | 18  |
| 761     | 95                          | 25  | 833     | 94                          | 21  |
| 762     | 95                          | 21  | 834     | 94                          | 19  |
| 763     | 95                          | 28  | 835     | 95                          | 18  |
| 764     | 94                          | 39  | 836     | 95                          | 19  |
| 765     | 95                          | 32  | 837     | 95                          | 17  |
| 766     | 95                          | 24  | 838     | 94                          | 15  |
| 767     | 95                          | 19  | 839     | 94                          | 17  |
| 768     | 98                          | 20  | 840     | 95                          | 19  |
| 769     | 98                          | 17  | 841     | 94                          | 22  |
| 770     | 98                          | 12  | 842     | 94                          | 21  |
| 771     | 98                          | 10  | 843     | 94                          | 18  |
| 772     | 98                          | 8   | 844     | 94                          | 16  |
| 773     | 98                          | 7   | 845     | 95                          | 14  |
| 774     | 98                          | 6   | 846     | 95                          | 14  |
| 775     | 98                          | 6   | 847     | 94                          | 19  |
| 776     | 95                          | 61  | 848     | 95                          | 20  |
| 777     | 94                          | 51  | 849     | 95                          | 23  |
| 778     | 95                          | 40  | 850     | 98                          | 23  |
| 779     | 94                          | 35  | 851     | 98                          | 22  |
| 780     | 94                          | 36  | 852     | 98                          | 16  |
| 781     | 94                          | 32  | 853     | 98                          | 12  |
| 782     | 95                          | 24  | 854     | 98                          | 9   |
| 783     | 94                          | 19  | 855     | 98                          | 8   |
| 784     | 94                          | 19  | 856     | 98                          | 7   |
| 785     | 95                          | 19  | 857     | 98                          | 6   |
| 786     | 95                          | 19  | 858     | 98                          | 6   |
| 787     | 94                          | 18  | 859     | 98                          | 6   |
| 788     | 94                          | 20  | 860     | 98                          | 5   |
| 789     | 94                          | 23  | 861     | 98                          | 5   |
| 790     | 94                          | 22  | 862     | 80                          | 5   |
| 791     | 95                          | 23  | 863     | 49                          | 5   |
| 792     | 94                          | 20  | 864     | 51                          | 5   |
| 793     | 94                          | 18  | 865     | 51                          | 5   |
| 794     | 95                          | 16  | 866     | 51                          | 6   |
| 795     | 95                          | 17  | 867     | 51                          | 6   |
| 796     | 94                          | 16  | 868     | 51                          | 6   |
| 797     | 94                          | 16  | 869     | 51                          | 6   |
| 798     | 94                          | 17  | 870     | 51                          | 5   |
| 799     | 94                          | 18  | 871     | 51                          | 6   |
| 800     | 94                          | 21  | 872     | 51                          | 7   |
| 801     | 95                          | 21  | 873     | 96                          | 45  |
| 802     | 94                          | 19  | 874     | 94                          | 44  |
| 803     | 95                          | 18  | 875     | 94                          | 34  |
| 804     | 94                          | 19  | 876     | 94                          | 41  |
| 805     | 95                          | 22  | 877     | 95                          | 44  |
| 806     | 95                          | 21  | 878     | 94                          | 32  |
| 807     | 95                          | 19  | 879     | 95                          | 26  |

| Time(s) | Normalized speed (per-cent) | Normalized torque (per-cent) <sup>1</sup> | Time(s) | Normalized speed (per-cent) | Normalized torque (per-cent) <sup>1</sup> |
|---------|-----------------------------|---|---------|-----------------------------|---|
| 880     | 94                          | 20  | 952     | 95                          | 23  |
| 881     | 95                          | 29  | 953     | 95                          | 20  |
| 882     | 95                          | 27  | 954     | 95                          | 17  |
| 883     | 95                          | 21  | 955     | 94                          | 19  |
| 884     | 95                          | 34  | 956     | 94                          | 18  |
| 885     | 95                          | 31  | 957     | 94                          | 18  |
| 886     | 94                          | 26  | 958     | 94                          | 18  |
| 887     | 95                          | 22  | 959     | 94                          | 19  |
| 888     | 95                          | 23  | 960     | 97                          | 17  |
| 889     | 95                          | 19  | 961     | 98                          | 19  |
| 890     | 94                          | 18  | 962     | 98                          | 14  |
| 891     | 94                          | 20  | 963     | 98                          | 11  |
| 892     | 94                          | 26  | 964     | 98                          | 9   |
| 893     | 95                          | 29  | 965     | 98                          | 7   |
| 894     | 94                          | 32  | 966     | 98                          | 7   |
| 895     | 95                          | 26  | 967     | 98                          | 6   |
| 896     | 95                          | 34  | 968     | 98                          | 6   |
| 897     | 95                          | 30  | 969     | 98                          | 6   |
| 898     | 95                          | 24  | 970     | 98                          | 5   |
| 899     | 95                          | 19  | 971     | 98                          | 5   |
| 900     | 94                          | 17  | 972     | 82                          | 5   |
| 901     | 94                          | 16  | 973     | 49                          | 5   |
| 902     | 98                          | 19  | 974     | 51                          | 6   |
| 903     | 98                          | 17  | 975     | 51                          | 6   |
| 904     | 98                          | 12  | 976     | 51                          | 6   |
| 905     | 98                          | 10  | 977     | 51                          | 5   |
| 906     | 98                          | 8   | 978     | 51                          | 6   |
| 907     | 98                          | 7   | 979     | 72                          | 58  |
| 908     | 98                          | 6   | 980     | 94                          | 36  |
| 909     | 98                          | 6   | 981     | 95                          | 28  |
| 910     | 98                          | 6   | 982     | 95                          | 24  |
| 911     | 98                          | 5   | 983     | 95                          | 25  |
| 912     | 98                          | 5   | 984     | 95                          | 26  |
| 913     | 98                          | 5   | 985     | 94                          | 30  |
| 914     | 69                          | 5   | 986     | 94                          | 26  |
| 915     | 49                          | 5   | 987     | 95                          | 34  |
| 916     | 51                          | 5   | 988     | 95                          | 57  |
| 917     | 51                          | 6   | 989     | 95                          | 45  |
| 918     | 51                          | 6   | 990     | 94                          | 37  |
| 919     | 69                          | 75  | 991     | 95                          | 34  |
| 920     | 95                          | 70  | 992     | 95                          | 27  |
| 921     | 95                          | 57  | 993     | 95                          | 27  |
| 922     | 94                          | 49  | 994     | 95                          | 29  |
| 923     | 94                          | 38  | 995     | 98                          | 22  |
| 924     | 95                          | 43  | 996     | 94                          | 84  |
| 925     | 94                          | 51  | 997     | 94                          | 74  |
| 926     | 94                          | 41  | 998     | 95                          | 62  |
| 927     | 98                          | 42  | 999     | 94                          | 51  |
| 928     | 95                          | 89  | 1000    | 95                          | 50  |
| 929     | 95                          | 66  | 1001    | 95                          | 81  |
| 930     | 94                          | 52  | 1002    | 94                          | 65  |
| 931     | 95                          | 41  | 1003    | 95                          | 49  |
| 932     | 95                          | 34  | 1004    | 94                          | 56  |
| 933     | 95                          | 34  | 1005    | 95                          | 65  |
| 934     | 94                          | 30  | 1006    | 94                          | 59  |
| 935     | 94                          | 30  | 1007    | 99                          | 58  |
| 936     | 95                          | 29  | 1008    | 98                          | 41  |
| 937     | 94                          | 28  | 1009    | 98                          | 27  |
| 938     | 95                          | 24  | 1010    | 98                          | 19  |
| 939     | 94                          | 34  | 1011    | 98                          | 13  |
| 940     | 95                          | 26  | 1012    | 98                          | 11  |
| 941     | 94                          | 36  | 1013    | 98                          | 9   |
| 942     | 95                          | 27  | 1014    | 98                          | 8   |
| 943     | 95                          | 25  | 1015    | 98                          | 7   |
| 944     | 95                          | 26  | 1016    | 98                          | 6   |
| 945     | 94                          | 21  | 1017    | 98                          | 6   |
| 946     | 94                          | 19  | 1018    | 98                          | 6   |
| 947     | 98                          | 21  | 1019    | 71                          | 6   |
| 948     | 93                          | 53  | 1020    | 49                          | 5   |
| 949     | 94                          | 45  | 1021    | 51                          | 6   |
| 950     | 94                          | 35  | 1022    | 51                          | 6   |
| 951     | 95                          | 28  | 1023    | 51                          | 6   |

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| Time(s) | Normalized speed (per-cent) | Normalized torque (per-cent) <sup>1</sup> | Time(s) | Normalized speed (per-cent) | Normalized torque (per-cent) <sup>1</sup> |
|---------|-----------------------------|---|---------|-----------------------------|---|
| 1024    | 51                          | 6   | 1096    | 94                          | 33  |
| 1025    | 51                          | 6   | 1097    | 95                          | 50  |
| 1026    | 51                          | 6   | 1098    | 94                          | 40  |
| 1027    | 51                          | 6   | 1099    | 95                          | 33  |
| 1028    | 51                          | 6   | 1100    | 95                          | 24  |
| 1029    | 51                          | 6   | 1101    | 94                          | 22  |
| 1030    | 51                          | 6   | 1102    | 94                          | 22  |
| 1031    | 51                          | 5   | 1103    | 94                          | 25  |
| 1032    | 51                          | 6   | 1104    | 95                          | 27  |
| 1033    | 51                          | 5   | 1105    | 95                          | 32  |
| 1034    | 51                          | 6   | 1106    | 94                          | 29  |
| 1035    | 51                          | 6   | 1107    | 94                          | 26  |
| 1036    | 51                          | 6   | 1108    | 94                          | 26  |
| 1037    | 51                          | 5   | 1109    | 94                          | 24  |
| 1038    | 51                          | 5   | 1110    | 98                          | 52  |
| 1039    | 51                          | 6   | 1111    | 94                          | 41  |
| 1040    | 51                          | 6   | 1112    | 99                          | 35  |
| 1041    | 69                          | 59  | 1113    | 95                          | 58  |
| 1042    | 94                          | 48  | 1114    | 95                          | 58  |
| 1043    | 95                          | 34  | 1115    | 98                          | 57  |
| 1044    | 95                          | 29  | 1116    | 98                          | 38  |
| 1045    | 95                          | 26  | 1117    | 98                          | 26  |
| 1046    | 94                          | 27  | 1118    | 93                          | 63  |
| 1047    | 95                          | 31  | 1119    | 94                          | 59  |
| 1048    | 95                          | 26  | 1120    | 98                          | 100                                       |
| 1049    | 95                          | 34  | 1121    | 94                          | 73  |
| 1050    | 95                          | 29  | 1122    | 98                          | 53  |
| 1051    | 95                          | 31  | 1123    | 94                          | 76  |
| 1052    | 95                          | 29  | 1124    | 95                          | 61  |
| 1053    | 95                          | 35  | 1125    | 94                          | 49  |
| 1054    | 95                          | 38  | 1126    | 94                          | 37  |
| 1055    | 94                          | 41  | 1127    | 97                          | 50  |
| 1056    | 95                          | 28  | 1128    | 98                          | 36  |
| 1057    | 95                          | 36  | 1129    | 98                          | 25  |
| 1058    | 94                          | 30  | 1130    | 98                          | 18  |
| 1059    | 94                          | 26  | 1131    | 98                          | 12  |
| 1060    | 94                          | 33  | 1132    | 98                          | 10  |
| 1061    | 95                          | 34  | 1133    | 98                          | 8   |
| 1062    | 95                          | 27  | 1134    | 98                          | 7   |
| 1063    | 98                          | 26  | 1135    | 98                          | 7   |
| 1064    | 98                          | 19  | 1136    | 98                          | 6   |
| 1065    | 98                          | 13  | 1137    | 98                          | 6   |
| 1066    | 98                          | 11  | 1138    | 98                          | 6   |
| 1067    | 98                          | 9   | 1139    | 80                          | 6   |
| 1068    | 98                          | 7   | 1140    | 49                          | 6   |
| 1069    | 98                          | 7   | 1141    | 78                          | 61  |
| 1070    | 98                          | 6   | 1142    | 95                          | 50  |
| 1071    | 98                          | 6   | 1143    | 94                          | 43  |
| 1072    | 98                          | 6   | 1144    | 94                          | 42  |
| 1073    | 98                          | 5   | 1145    | 94                          | 31  |
| 1074    | 89                          | 6   | 1146    | 95                          | 30  |
| 1075    | 49                          | 5   | 1147    | 95                          | 34  |
| 1076    | 51                          | 6   | 1148    | 95                          | 28  |
| 1077    | 51                          | 6   | 1149    | 95                          | 27  |
| 1078    | 51                          | 6   | 1150    | 94                          | 27  |
| 1079    | 51                          | 6   | 1151    | 95                          | 31  |
| 1080    | 51                          | 6   | 1152    | 95                          | 42  |
| 1081    | 51                          | 6   | 1153    | 94                          | 41  |
| 1082    | 51                          | 6   | 1154    | 95                          | 37  |
| 1083    | 50                          | 6   | 1155    | 95                          | 43  |
| 1084    | 51                          | 6   | 1156    | 95                          | 34  |
| 1085    | 51                          | 6   | 1157    | 95                          | 31  |
| 1086    | 51                          | 6   | 1158    | 95                          | 27  |
| 1087    | 51                          | 6   | 1159    | 95                          | 23  |
| 1088    | 51                          | 6   | 1160    | 95                          | 27  |
| 1089    | 51                          | 6   | 1161    | 96                          | 38  |
| 1090    | 51                          | 6   | 1162    | 95                          | 40  |
| 1091    | 56                          | 74  | 1163    | 95                          | 39  |
| 1092    | 95                          | 56  | 1164    | 95                          | 26  |
| 1093    | 94                          | 49  | 1165    | 95                          | 33  |
| 1094    | 95                          | 47  | 1166    | 94                          | 28  |
| 1095    | 94                          | 43  | 1167    | 94                          | 34  |

| Time(s) | Normalized speed (per-cent) | Normalized torque (per-cent) <sup>1</sup> | Time(s) | Normalized speed (per-cent) | Normalized torque (per-cent) |
|---------|-----------------------------|---|---------|-----------------------------|------------------------------|
| 1168    | 98                          | 73  | 20      | 58                          | 55                           |
| 1169    | 95                          | 49  | 21      | 43                          | 31                           |
| 1170    | 95                          | 51  | 22      | 16                          | 45                           |
| 1171    | 94                          | 55  | 23      | 24                          | 38                           |
| 1172    | 95                          | 48  | 24      | 24                          | 27                           |
| 1173    | 95                          | 35  | 25      | 30                          | 33                           |
| 1174    | 95                          | 39  | 26      | 45                          | 65                           |
| 1175    | 95                          | 39  | 27      | 50                          | 49                           |
| 1176    | 94                          | 41  | 28      | 23                          | 42                           |
| 1177    | 95                          | 30  | 29      | 13                          | 42                           |
| 1178    | 95                          | 23  | 30      | 9                           | 45                           |
| 1179    | 94                          | 19  | 31      | 23                          | 30                           |
| 1180    | 95                          | 25  | 32      | 37                          | 45                           |
| 1181    | 94                          | 29  | 33      | 44                          | 50                           |
| 1182    | 98                          | 27  | 34      | 49                          | 52                           |
| 1183    | 95                          | 89  | 35      | 55                          | 49                           |
| 1184    | 95                          | 74  | 36      | 61                          | 46                           |
| 1185    | 94                          | 60  | 37      | 66                          | 38                           |
| 1186    | 94                          | 48  | 38      | 42                          | 33                           |
| 1187    | 94                          | 41  | 39      | 17                          | 41                           |
| 1188    | 94                          | 29  | 40      | 17                          | 37                           |
| 1189    | 94                          | 24  | 41      | 7                           | 50                           |
| 1190    | 95                          | 19  | 42      | 20                          | 32                           |
| 1191    | 94                          | 21  | 43      | 5                           | 55                           |
| 1192    | 95                          | 29  | 44      | 30                          | 42                           |
| 1193    | 95                          | 28  | 45      | 44                          | 53                           |
| 1194    | 95                          | 27  | 46      | 45                          | 56                           |
| 1195    | 94                          | 23  | 47      | 41                          | 52                           |
| 1196    | 95                          | 25  | 48      | 24                          | 41                           |
| 1197    | 95                          | 26  | 49      | 15                          | 40                           |
| 1198    | 94                          | 22  | 50      | 11                          | 44                           |
| 1199    | 95                          | 19  | 51      | 32                          | 31                           |
| 1200    | 94                          | 17  | 52      | 38                          | 54                           |
|         |                             |   | 53      | 38                          | 47                           |
|         |                             |   | 54      | 9                           | 55                           |
|         |                             |   | 55      | 10                          | 50                           |
|         |                             |   | 56      | 33                          | 55                           |
|         |                             |   | 57      | 48                          | 56                           |
|         |                             |   | 58      | 49                          | 47                           |
|         |                             |   | 59      | 33                          | 44                           |
|         |                             |   | 60      | 52                          | 43                           |
|         |                             |   | 61      | 55                          | 43                           |
|         |                             |   | 62      | 59                          | 38                           |
|         |                             |   | 63      | 44                          | 28                           |
|         |                             |   | 64      | 24                          | 37                           |
|         |                             |   | 65      | 12                          | 44                           |
|         |                             |   | 66      | 9                           | 47                           |
|         |                             |   | 67      | 12                          | 52                           |
|         |                             |   | 68      | 34                          | 21                           |
|         |                             |   | 69      | 29                          | 44                           |
|         |                             |   | 70      | 44                          | 54                           |
|         |                             |   | 71      | 54                          | 62                           |
|         |                             |   | 72      | 62                          | 57                           |
|         |                             |   | 73      | 72                          | 56                           |
|         |                             |   | 74      | 88                          | 71                           |
|         |                             |   | 75      | 100                         | 69                           |
|         |                             |   | 76      | 100                         | 34                           |
|         |                             |   | 77      | 100                         | 42                           |
|         |                             |   | 78      | 100                         | 54                           |
|         |                             |   | 79      | 100                         | 58                           |
|         |                             |   | 80      | 100                         | 38                           |
|         |                             |   | 81      | 83                          | 17                           |
|         |                             |   | 82      | 61                          | 15                           |
|         |                             |   | 83      | 43                          | 22                           |
|         |                             |   | 84      | 24                          | 35                           |
|         |                             |   | 85      | 16                          | 39                           |
|         |                             |   | 86      | 15                          | 45                           |
|         |                             |   | 87      | 32                          | 34                           |
|         |                             |   | 88      | 14                          | 42                           |
|         |                             |   | 89      | 8                           | 48                           |
|         |                             |   | 90      | 5                           | 51                           |
|         |                             |   | 91      | 10                          | 41                           |

<sup>1</sup>The percent torque is relative to maximum torque at the commanded engine speed.

[67 FR 68347, Nov. 8, 2002, as amended at 70 FR 40486, July 13, 2005]

APPENDIX II TO PART 1048—LARGE SPARK-IGNITION (SI) COMPOSITE TRANSIENT CYCLE

The following table shows the transient duty-cycle for engines that are not constant-speed engines, as described in § 1048.510:

| Time(s) | Normalized speed (per-cent) | Normalized torque (per-cent) |
|---------|-----------------------------|------------------------------|
| 0       | 0                           | 0                            |
| 1       | 0                           | 0                            |
| 2       | 0                           | 0                            |
| 3       | 0                           | 0                            |
| 4       | 0                           | 0                            |
| 5       | 0                           | 0                            |
| 6       | 0                           | 0                            |
| 7       | 0                           | 0                            |
| 8       | 0                           | 0                            |
| 9       | 1                           | 8                            |
| 10      | 6                           | 54                           |
| 11      | 8                           | 61                           |
| 12      | 34                          | 59                           |
| 13      | 22                          | 46                           |
| 14      | 5                           | 51                           |
| 15      | 18                          | 51                           |
| 16      | 31                          | 50                           |
| 17      | 30                          | 56                           |
| 18      | 31                          | 49                           |
| 19      | 25                          | 66                           |