|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Hard Drive Failure Rates for 2022 (AFR = drive\_failures/(drive\_days/365))\*100** | | | | | | | |
| From 1/1/2022 - 12/31/2022 inclusive | | | | | | | |
| **MFG** | **Model** | **Drive Size** | **Drive Count** | **Avg Age (months)** | **Drive Days** | **Drive Failures** | **AFR** |
| HGST | HMS5C4040ALE640 | 4TB | 3,723 | 77.1 | 1,322,966 | 23 | 0.63% |
| HGST | HMS5C4040BLE640 | 4TB | 12,730 | 74.1 | 4,641,631 | 52 | 0.41% |
| HGST | HUH728080ALE600 | 8TB | 1,117 | 56.6 | 408,895 | 16 | 1.43% |
| HGST | HUH728080ALE604 | 8TB | 94 | 65.5 | 27,684 | 4 | 5.27% |
| HGST | HUH721212ALE600 | 12TB | 2,606 | 38.9 | 948,201 | 7 | 0.27% |
| HGST | HUH721212ALE604 | 12TB | 13,165 | 21.3 | 4,789,187 | 73 | 0.56% |
| HGST | HUH721212ALN604 | 12TB | 10,769 | 44.8 | 3,930,437 | 80 | 0.74% |
| Seagate | ST4000DM000 | 4TB | 18,246 | 85.9 | 6,699,353 | 633 | 3.45% |
| Seagate | ST6000DX000 | 6TB | 886 | 92.5 | 323,387 | 6 | 0.68% |
| Seagate | ST8000DM002 | 8TB | 9,523 | 74.6 | 3,505,962 | 189 | 1.97% |
| Seagate | ST8000NM000A | 8TB | 79 | 14.2 | 22,839 | 0 | 0.00% |
| Seagate | ST8000NM0055 | 8TB | 14,417 | 63.2 | 5,230,097 | 347 | 2.42% |
| Seagate | ST10000NM0086 | 10TB | 1,174 | 60.7 | 430,092 | 44 | 3.73% |
| Seagate | ST12000NM0007 | 12TB | 1,262 | 37.7 | 469,211 | 61 | 4.75% |
| Seagate | ST12000NM0008 | 12TB | 19,821 | 33.1 | 7,291,905 | 404 | 2.02% |
| Seagate | ST12000NM001G | 12TB | 12,623 | 24.9 | 4,515,095 | 116 | 0.94% |
| Seagate | ST14000NM001G | 14TB | 10,751 | 22.8 | 3,912,395 | 126 | 1.18% |
| Seagate | ST14000NM0138 | 14TB | 1,519 | 24.8 | 570,042 | 89 | 5.70% |
| Seagate | ST16000NM001G | 16TB | 20,393 | 13.6 | 6,057,376 | 142 | 0.86% |
| Seagate | ST16000NM002J | 16TB | 310 | 6.6 | 50,625 | 2 | 1.44% |
| Toshiba | MD04ABA400V | 4TB | 94 | 91.3 | 35,031 | 3 | 3.13% |
| Toshiba | MG07ACA14TA | 14TB | 38,182 | 26 | 13,921,635 | 385 | 1.01% |
| Toshiba | MG07ACA14TEY | 14TB | 552 | 20.7 | 184,247 | 8 | 1.58% |
| Toshiba | MG08ACA16TA | 16TB | 3,751 | 6.9 | 625,329 | 10 | 0.58% |
| Toshiba | MG08ACA16TE | 16TB | 5,936 | 14.7 | 2,167,676 | 93 | 1.57% |
| Toshiba | MG08ACA16TEY | 16TB | 5,286 | 12.9 | 1,362,038 | 24 | 0.64% |
| WDC | WUH721414ALE6L4 | 14TB | 8,410 | 24.8 | 3,065,102 | 10 | 0.12% |
| WDC | WUH721816ALE6L0 | 16TB | 2,701 | 14.9 | 938,328 | 3 | 0.12% |
| WDC | WUH721816ALE6L4 | 16TB | 10,801 | 4.6 | 1,313,668 | 13 | 0.36% |
| **Drive Model Count: 29** | |  | **230,921** |  | **78,760,434** | **2,963** | **1.37%** |