

smartctl 7.4 2023-08-01 r5530 [x86\_64-linux-6.8.0-38-generic] (local build)  
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=== START OF INFORMATION SECTION ===

Model Family: Seagate Skyhawk  
Device Model: ST6000VX001-2BD186  
Serial Number: ZR11RKJV  
LU WWN Device Id: 5 000c50 0dc3903b0  
Firmware Version: CV12  
User Capacity: 6,001,175,126,016 bytes [6.00 TB]  
Sector Sizes: 512 bytes logical, 4096 bytes physical  
Rotation Rate: 5425 rpm  
Form Factor: 3.5 inches  
Device is: In smartctl database 7.3/5528  
ATA Version is: ACS-3 T13/2161-D revision 5  
SATA Version is: SATA 3.1, 6.0 Gb/s (current: 3.0 Gb/s)  
Local Time is: Fri May 30 16:03:44 2025 UTC  
SMART support is: Available - device has SMART capability.  
SMART support is: Enabled  
AAM feature is: Unavailable  
APM feature is: Unavailable  
Rd look-ahead is: Enabled  
Write cache is: Enabled  
DSN feature is: Unavailable  
ATA Security is: Disabled, NOT FROZEN [SEC1]

=== START OF READ SMART DATA SECTION ===

SMART overall-health self-assessment test result: PASSED

General SMART Values:

Offline data collection status: (0x00) Offline data collection activity  
was never started.  
Auto Offline Data Collection: Disabled.

Self-test execution status: ( 0) The previous self-test routine  
completed  
without error or no self-test has ever  
been run.

Total time to complete Offline  
data collection: ( 0) seconds.

Offline data collection  
capabilities: (0x73) SMART execute Offline immediate.  
Auto Offline data collection on/off  
support.  
Suspend Offline collection upon new  
command.  
No Offline surface scan supported.  
Self-test supported.  
Conveyance Self-test supported.  
Selective Self-test supported.

SMART capabilities: (0x0003) Saves SMART data before entering  
power-saving mode.  
Supports SMART auto save timer.

Error logging capability: (0x01) Error logging supported.  
General Purpose Logging supported.

Short self-test routine  
recommended polling time: ( 1) minutes.  
Extended self-test routine  
recommended polling time: ( 730) minutes.  
Conveyance self-test routine  
recommended polling time: ( 2) minutes.  
SCT capabilities: (0x70bd) SCT Status supported.  
SCT Error Recovery Control supported.  
SCT Feature Control supported.  
SCT Data Table supported.

SMART Attributes Data Structure revision number: 10

Vendor Specific SMART Attributes with Thresholds:

| ID# | ATTRIBUTE_NAME          | FLAGS  | VALUE | WORST | THRESH | FAIL | RAW_VALUE          |
|-----|-------------------------|--------|-------|-------|--------|------|--------------------|
| 1   | Raw_Read_Error_Rate     | POSR-- | 082   | 064   | 006    | -    | 156349458          |
| 3   | Spin_Up_Time            | PO---- | 093   | 091   | 000    | -    | 0                  |
| 4   | Start_Stop_Count        | -O--CK | 100   | 100   | 020    | -    | 99                 |
| 5   | Reallocated_Sector_Ct   | PO--CK | 100   | 100   | 010    | -    | 0                  |
| 7   | Seek_Error_Rate         | POSR-- | 081   | 060   | 045    | -    | 125323290          |
| 9   | Power_On_Hours          | -O--CK | 093   | 093   | 000    | -    | 6503h+00m+00.000s  |
| 10  | Spin_Retry_Count        | PO--C- | 100   | 100   | 097    | -    | 0                  |
| 12  | Power_Cycle_Count       | -O--CK | 100   | 100   | 020    | -    | 25                 |
| 183 | Runtime_Bad_Block       | -O--CK | 044   | 044   | 000    | -    | 56                 |
| 184 | End-to-End_Error        | -O--CK | 100   | 100   | 099    | -    | 0                  |
| 187 | Reported_Uncorrect      | -O--CK | 100   | 100   | 000    | -    | 0                  |
| 188 | Command_Timeout         | -O--CK | 100   | 099   | 000    | -    | 4295032833         |
| 189 | High_Fly_Writes         | -O-RCK | 100   | 100   | 000    | -    | 0                  |
| 190 | Airflow_Temperature_Cel | -O---K | 080   | 054   | 040    | -    | 20 (Min/Max 19/20) |
| 191 | G-Sense_Error_Rate      | -O--CK | 100   | 100   | 000    | -    | 170                |
| 192 | Power-Off_Retract_Count | -O--CK | 100   | 100   | 000    | -    | 147                |
| 193 | Load_Cycle_Count        | -O--CK | 100   | 100   | 000    | -    | 356                |
| 194 | Temperature_Celsius     | -O---K | 020   | 046   | 000    | -    | 20 (0 19 0 0 0)    |
| 195 | Hardware_ECC_Recovered  | -O-RC- | 082   | 064   | 000    | -    | 156349458          |
| 197 | Current_Pending_Sector  | -O--C- | 100   | 100   | 000    | -    | 0                  |
| 198 | Offline_Uncorrectable   | ----C- | 100   | 100   | 000    | -    | 0                  |
| 199 | UDMA_CRC_Error_Count    | -OSRCK | 200   | 200   | 000    | -    | 5                  |
| 240 | Head_Flying_Hours       | -----  | 100   | 253   | 000    | -    | 5787h+40m+33.742s  |
| 241 | Total_LBAs_Written      | -----  | 100   | 253   | 000    | -    | 65826844520        |
| 242 | Total_LBAs_Read         | -----  | 100   | 253   | 000    | -    | 107668754          |

|||||\_ K auto-keep  
|||||\_ C event count  
||||\_ R error rate  
|||\_ S speed/performance  
||\_ O updated online  
|\_ P prefailure warning

General Purpose Log Directory Version 1

SMART Log Directory Version 1 [multi-sector log support]

| Address | Access | R/W | Size | Description                        |
|---------|--------|-----|------|------------------------------------|
| 0x00    | GPL,SL | R/O | 1    | Log Directory                      |
| 0x01    | SL     | R/O | 1    | Summary SMART error log            |
| 0x02    | SL     | R/O | 5    | Comprehensive SMART error log      |
| 0x03    | GPL    | R/O | 5    | Ext. Comprehensive SMART error log |
| 0x04    | GPL,SL | R/O | 8    | Device Statistics log              |

|           |        |     |       |                                         |
|-----------|--------|-----|-------|-----------------------------------------|
| 0x06      | SL     | R/O | 1     | SMART self-test log                     |
| 0x07      | GPL    | R/O | 1     | Extended self-test log                  |
| 0x08      | GPL    | R/O | 2     | Power Conditions log                    |
| 0x09      | SL     | R/W | 1     | Selective self-test log                 |
| 0x0c      | GPL    | R/O | 2048  | Pending Defects log                     |
| 0x10      | GPL    | R/O | 1     | NCQ Command Error log                   |
| 0x11      | GPL    | R/O | 1     | SATA Phy Event Counters log             |
| 0x21      | GPL    | R/O | 1     | Write stream error log                  |
| 0x22      | GPL    | R/O | 1     | Read stream error log                   |
| 0x24      | GPL    | R/O | 512   | Current Device Internal Status Data log |
| 0x30      | GPL,SL | R/O | 9     | IDENTIFY DEVICE data log                |
| 0x80-0x9f | GPL,SL | R/W | 16    | Host vendor specific log                |
| 0xa1      | GPL,SL | VS  | 24    | Device vendor specific log              |
| 0xa2      | GPL    | VS  | 8160  | Device vendor specific log              |
| 0xa6      | GPL    | VS  | 192   | Device vendor specific log              |
| 0xa8-0xa9 | GPL,SL | VS  | 136   | Device vendor specific log              |
| 0xab      | GPL    | VS  | 1     | Device vendor specific log              |
| 0xb0      | GPL    | VS  | 9048  | Device vendor specific log              |
| 0xbd      | GPL    | VS  | 8     | Device vendor specific log              |
| 0xbe-0xbf | GPL    | VS  | 65535 | Device vendor specific log              |
| 0xc0      | GPL,SL | VS  | 1     | Device vendor specific log              |
| 0xc1      | GPL,SL | VS  | 16    | Device vendor specific log              |
| 0xc3      | GPL,SL | VS  | 8     | Device vendor specific log              |
| 0xc4      | GPL,SL | VS  | 24    | Device vendor specific log              |
| 0xd1      | GPL    | VS  | 264   | Device vendor specific log              |
| 0xd3      | GPL    | VS  | 1920  | Device vendor specific log              |
| 0xe0      | GPL,SL | R/W | 1     | SCT Command/Status                      |
| 0xe1      | GPL,SL | R/W | 1     | SCT Data Transfer                       |

SMART Extended Comprehensive Error Log Version: 1 (5 sectors)  
No Errors Logged

SMART Extended Self-test Log Version: 1 (1 sectors)

| Num                | Test_Description | Status                  | Remaining | LifeTime(hours) |
|--------------------|------------------|-------------------------|-----------|-----------------|
| LBA_of_first_error |                  |                         |           |                 |
| # 1                | Short offline    | Completed without error | 00%       | 6503            |

SMART Selective self-test log data structure revision number 1

| SPAN | MIN_LBA | MAX_LBA | CURRENT_TEST_STATUS |
|------|---------|---------|---------------------|
| 1    | 0       | 0       | Not_testing         |
| 2    | 0       | 0       | Not_testing         |
| 3    | 0       | 0       | Not_testing         |
| 4    | 0       | 0       | Not_testing         |
| 5    | 0       | 0       | Not_testing         |

Selective self-test flags (0x0):

After scanning selected spans, do NOT read-scan remainder of disk.  
If Selective self-test is pending on power-up, resume after 0 minute delay.

|                                  |               |
|----------------------------------|---------------|
| SCT Status Version:              | 3             |
| SCT Version (vendor specific):   | 522 (0x020a)  |
| Device State:                    | Active (0)    |
| Current Temperature:             | 19 Celsius    |
| Power Cycle Min/Max Temperature: | 19/19 Celsius |
| Lifetime Min/Max Temperature:    | 19/47 Celsius |

Under/Over Temperature Limit Count: 0/0

SCT Temperature History Version: 2  
Temperature Sampling Period: 3 minutes  
Temperature Logging Interval: 94 minutes  
Min/Max recommended Temperature: 1/61 Celsius  
Min/Max Temperature Limit: 2/60 Celsius  
Temperature History Size (Index): 128 (74)

| Index | Estimated Time   | Temperature Celsius |
|-------|------------------|---------------------|
| 75    | 2025-05-22 08:48 | 38 *****            |
| ...   | ..( 6 skipped).  | .. *****            |
| 82    | 2025-05-22 19:46 | 38 *****            |
| 83    | 2025-05-22 21:20 | 39 *****            |
| ...   | ..( 27 skipped). | .. *****            |
| 111   | 2025-05-24 17:12 | 39 *****            |
| 112   | 2025-05-24 18:46 | 38 *****            |
| 113   | 2025-05-24 20:20 | 39 *****            |
| ...   | ..( 7 skipped).  | .. *****            |
| 121   | 2025-05-25 08:52 | 39 *****            |
| 122   | 2025-05-25 10:26 | 38 *****            |
| ...   | ..( 60 skipped). | .. *****            |
| 55    | 2025-05-29 10:00 | 38 *****            |
| 56    | 2025-05-29 11:34 | 37 *****            |
| 57    | 2025-05-29 13:08 | 38 *****            |
| 58    | 2025-05-29 14:42 | 37 *****            |
| 59    | 2025-05-29 16:16 | 37 *****            |
| 60    | 2025-05-29 17:50 | 37 *****            |
| 61    | 2025-05-29 19:24 | 38 *****            |
| 62    | 2025-05-29 20:58 | 37 *****            |
| 63    | 2025-05-29 22:32 | ? -                 |
| 64    | 2025-05-30 00:06 | 32 *****            |
| 65    | 2025-05-30 01:40 | ? -                 |
| 66    | 2025-05-30 03:14 | 26 *****            |
| 67    | 2025-05-30 04:48 | ? -                 |
| 68    | 2025-05-30 06:22 | 29 *****            |
| 69    | 2025-05-30 07:56 | ? -                 |
| 70    | 2025-05-30 09:30 | 25 *****            |
| 71    | 2025-05-30 11:04 | ? -                 |
| 72    | 2025-05-30 12:38 | 29 *****            |
| 73    | 2025-05-30 14:12 | ? -                 |
| 74    | 2025-05-30 15:46 | 19 -                |

SCT Error Recovery Control:  
Read: Disabled  
Write: Disabled

Device Statistics (GP Log 0x04)

| Page | Offset | Size | Value       | Flags | Description                      |
|------|--------|------|-------------|-------|----------------------------------|
| 0x01 | =====  | =    | =           | ===   | == General Statistics (rev 1) == |
| 0x01 | 0x008  | 4    | 25          | ---   | Lifetime Power-On Resets         |
| 0x01 | 0x010  | 4    | 6503        | ---   | Power-on Hours                   |
| 0x01 | 0x018  | 6    | 65840525560 | ---   | Logical Sectors Written          |
| 0x01 | 0x020  | 6    | 159001820   | ---   | Number of Write Commands         |

|      |       |   |           |     |                                              |
|------|-------|---|-----------|-----|----------------------------------------------|
| 0x01 | 0x028 | 6 | 107665314 | --- | Logical Sectors Read                         |
| 0x01 | 0x030 | 6 | 1426309   | --- | Number of Read Commands                      |
| 0x01 | 0x038 | 6 | -         | --- | Date and Time TimeStamp                      |
| 0x03 | ===== | = | =         | === | == Rotating Media Statistics (rev 1) ==      |
| 0x03 | 0x008 | 4 | 5820      | --- | Spindle Motor Power-on Hours                 |
| 0x03 | 0x010 | 4 | 5814      | --- | Head Flying Hours                            |
| 0x03 | 0x018 | 4 | 356       | --- | Head Load Events                             |
| 0x03 | 0x020 | 4 | 0         | --- | Number of Reallocated Logical Sectors        |
| 0x03 | 0x028 | 4 | 0         | --- | Read Recovery Attempts                       |
| 0x03 | 0x030 | 4 | 0         | --- | Number of Mechanical Start Failures          |
| 0x03 | 0x038 | 4 | 0         | --- | Number of Realloc. Candidate Logical Sectors |
| 0x03 | 0x040 | 4 | 147       | --- | Number of High Priority Unload Events        |
| 0x04 | ===== | = | =         | === | == General Errors Statistics (rev 1) ==      |
| 0x04 | 0x008 | 4 | 0         | --- | Number of Reported Uncorrectable Errors      |
| 0x04 | 0x010 | 4 | 1         | --- | Resets Between Cmd Acceptance and Completion |
| 0x05 | ===== | = | =         | === | == Temperature Statistics (rev 1) ==         |
| 0x05 | 0x008 | 1 | 19        | --- | Current Temperature                          |
| 0x05 | 0x010 | 1 | 37        | --- | Average Short Term Temperature               |
| 0x05 | 0x018 | 1 | 39        | --- | Average Long Term Temperature                |
| 0x05 | 0x020 | 1 | 47        | --- | Highest Temperature                          |
| 0x05 | 0x028 | 1 | 0         | --- | Lowest Temperature                           |
| 0x05 | 0x030 | 1 | 46        | --- | Highest Average Short Term Temperature       |
| 0x05 | 0x038 | 1 | 30        | --- | Lowest Average Short Term Temperature        |
| 0x05 | 0x040 | 1 | 42        | --- | Highest Average Long Term Temperature        |
| 0x05 | 0x048 | 1 | 36        | --- | Lowest Average Long Term Temperature         |
| 0x05 | 0x050 | 4 | 0         | --- | Time in Over-Temperature                     |
| 0x05 | 0x058 | 1 | 70        | --- | Specified Maximum Operating Temperature      |
| 0x05 | 0x060 | 4 | 0         | --- | Time in Under-Temperature                    |
| 0x05 | 0x068 | 1 | 0         | --- | Specified Minimum Operating Temperature      |
| 0x06 | ===== | = | =         | === | == Transport Statistics (rev 1) ==           |
| 0x06 | 0x008 | 4 | 312       | --- | Number of Hardware Resets                    |
| 0x06 | 0x010 | 4 | 176       | --- | Number of ASR Events                         |
| 0x06 | 0x018 | 4 | 5         | --- | Number of Interface CRC Errors               |
|      |       |   | _         |     | C monitored condition met                    |
|      |       |   | __        |     | D supports DSN                               |
|      |       |   | ___       |     | N normalized value                           |

#### SATA Phy Event Counters (GP Log 0x11)

| ID     | Size | Value | Description                                          |
|--------|------|-------|------------------------------------------------------|
| 0x000a | 2    | 1     | Device-to-host register FISes sent due to a COMRESET |
| 0x0001 | 2    | 0     | Command failed due to ICRC error                     |
| 0x0003 | 2    | 0     | R_ERR response for device-to-host data FIS           |
| 0x0004 | 2    | 0     | R_ERR response for host-to-device data FIS           |
| 0x0006 | 2    | 0     | R_ERR response for device-to-host non-data FIS       |
| 0x0007 | 2    | 0     | R_ERR response for host-to-device non-data FIS       |