

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: ST4000VX007-2DT166
Serial Number: ZGY4RPXX
LU WWN Device Id: 5 000c50 0b5cac18b
Firmware Version: CV11
User Capacity: 4,000,787,030,016 bytes [4.00 TB]
Sector Sizes: 512 bytes logical, 4096 bytes physical
Rotation Rate: 5980 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 16:11:56 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: (0x82) Offline data collection activity
was completed without error.
Auto Offline Data Collection: Enabled.

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: (591) seconds.

Offline data collection
capabilities: (0x7b) SMART execute Offline immediate.
Auto Offline data collection on/off
support.
Suspend Offline collection upon new
command.
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: (636) minutes.
Conveyance self-test routine
recommended polling time: (2) minutes.
SCT capabilities: (0x50bd) 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--	080	064	044	-	106084698
3	Spin_Up_Time	PO----	094	093	000	-	0
4	Start_Stop_Count	-O--CK	100	100	020	-	57
5	Reallocated_Sector_Ct	PO--CK	090	090	010	-	5579
7	Seek_Error_Rate	POSR--	094	060	045	-	2441536098
9	Power_On_Hours	-O--CK	070	070	000	-	26511h+00m+00.000s
10	Spin_Retry_Count	PO--C-	100	100	097	-	0
12	Power_Cycle_Count	-O--CK	100	100	020	-	55
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	100	000	-	0
189	High_Fly_Writes	-O-RCK	100	100	000	-	0
190	Airflow_Temperature_Cel	-O---K	083	059	040	-	17 (Min/Max 15/17)
191	G-Sense_Error_Rate	-O--CK	100	100	000	-	0
192	Power-Off_Retract_Count	-O--CK	100	100	000	-	114
193	Load_Cycle_Count	-O--CK	100	100	000	-	133
194	Temperature_Celsius	-O---K	017	041	000	-	17 (0 15 0 0 0)
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	-	0
240	Head_Flying_Hours	-----	100	253	000	-	26500h+42m+27.237s
241	Total_LBAs_Written	-----	100	253	000	-	202490870413
242	Total_LBAs_Read	-----	100	253	000	-	288588299

|||||_ 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
0x10	GPL	R/O	1	NCQ Command Error log
0x11	GPL	R/O	1	SATA Phy Event Counters log
0x13	GPL	R/O	1	SATA NCQ Send and Receive log
0x15	GPL	R/W	1	Rebuild Assist 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
0xbe-0xbf	GPL	VS	65535	Device vendor specific log
0xc1	GPL,SL	VS	16	Device vendor specific log
0xd1	GPL	VS	136	Device vendor specific log
0xd2	GPL	VS	10000	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%	26511	-
# 2	Short offline	Completed without error	00%	26510	-

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: 15 Celsius
Power Cycle Min/Max Temperature: 15/15 Celsius
Lifetime Min/Max Temperature: 15/41 Celsius
Under/Over Temperature Limit Count: 0/1

SCT Temperature History Version: 2

Temperature Sampling Period: 3 minutes
Temperature Logging Interval: 59 minutes
Min/Max recommended Temperature: 0/ 0 Celsius
Min/Max Temperature Limit: 0/ 0 Celsius
Temperature History Size (Index): 128 (114)

Index	Estimated Time	Temperature Celsius
115	2025-05-25 10:27	35 *****
...	..(7 skipped).	.. *****
123	2025-05-25 18:19	35 *****
124	2025-05-25 19:18	36 *****
...	..(2 skipped).	.. *****
127	2025-05-25 22:15	36 *****
0	2025-05-25 23:14	? -
1	2025-05-26 00:13	20 *
2	2025-05-26 01:12	? -
3	2025-05-26 02:11	27 *****
4	2025-05-26 03:10	30 *****
5	2025-05-26 04:09	32 *****
6	2025-05-26 05:08	31 *****
7	2025-05-26 06:07	32 *****
8	2025-05-26 07:06	31 *****
9	2025-05-26 08:05	? -
10	2025-05-26 09:04	17 -
11	2025-05-26 10:03	? -
12	2025-05-26 11:02	29 *****
13	2025-05-26 12:01	33 *****
14	2025-05-26 13:00	34 *****
15	2025-05-26 13:59	35 *****
16	2025-05-26 14:58	33 *****
17	2025-05-26 15:57	33 *****
18	2025-05-26 16:56	? -
19	2025-05-26 17:55	17 -
20	2025-05-26 18:54	? -
21	2025-05-26 19:53	22 ***
22	2025-05-26 20:52	29 *****
23	2025-05-26 21:51	31 *****
24	2025-05-26 22:50	31 *****
25	2025-05-26 23:49	31 *****
26	2025-05-27 00:48	? -
27	2025-05-27 01:47	17 -
28	2025-05-27 02:46	? -
29	2025-05-27 03:45	26 *****
30	2025-05-27 04:44	? -
31	2025-05-27 05:43	31 *****
32	2025-05-27 06:42	? -
33	2025-05-27 07:41	32 *****
34	2025-05-27 08:40	? -
35	2025-05-27 09:39	18 -
36	2025-05-27 10:38	28 *****
37	2025-05-27 11:37	31 *****
38	2025-05-27 12:36	31 *****
39	2025-05-27 13:35	32 *****
40	2025-05-27 14:34	? -

41	2025-05-27 15:33	19	-
42	2025-05-27 16:32	29	*****
43	2025-05-27 17:31	31	*****
44	2025-05-27 18:30	31	*****
45	2025-05-27 19:29	32	*****
46	2025-05-27 20:28	?	-
47	2025-05-27 21:27	16	-
48	2025-05-27 22:26	?	-
49	2025-05-27 23:25	29	*****
50	2025-05-28 00:24	30	*****
51	2025-05-28 01:23	31	*****
52	2025-05-28 02:22	31	*****
53	2025-05-28 03:21	30	*****
54	2025-05-28 04:20	?	-
55	2025-05-28 05:19	17	-
56	2025-05-28 06:18	28	*****
57	2025-05-28 07:17	30	*****
58	2025-05-28 08:16	30	*****
59	2025-05-28 09:15	31	*****
60	2025-05-28 10:14	?	-
61	2025-05-28 11:13	18	-
62	2025-05-28 12:12	29	*****
63	2025-05-28 13:11	31	*****
64	2025-05-28 14:10	31	*****
65	2025-05-28 15:09	32	*****
66	2025-05-28 16:08	?	-
67	2025-05-28 17:07	18	-
68	2025-05-28 18:06	28	*****
69	2025-05-28 19:05	30	*****
70	2025-05-28 20:04	31	*****
71	2025-05-28 21:03	31	*****
72	2025-05-28 22:02	?	-
73	2025-05-28 23:01	19	-
74	2025-05-29 00:00	29	*****
75	2025-05-29 00:59	30	*****
76	2025-05-29 01:58	32	*****
77	2025-05-29 02:57	32	*****
78	2025-05-29 03:56	?	-
79	2025-05-29 04:55	18	-
80	2025-05-29 05:54	28	*****
81	2025-05-29 06:53	31	*****
82	2025-05-29 07:52	31	*****
83	2025-05-29 08:51	32	*****
84	2025-05-29 09:50	?	-
85	2025-05-29 10:49	19	-
86	2025-05-29 11:48	29	*****
87	2025-05-29 12:47	31	*****
88	2025-05-29 13:46	31	*****
89	2025-05-29 14:45	32	*****
90	2025-05-29 15:44	33	*****
91	2025-05-29 16:43	?	-
92	2025-05-29 17:42	21	**
93	2025-05-29 18:41	30	*****
94	2025-05-29 19:40	31	*****

95	2025-05-29 20:39	32	*****
96	2025-05-29 21:38	32	*****
97	2025-05-29 22:37	?	-
98	2025-05-29 23:36	18	-
99	2025-05-30 00:35	28	*****
100	2025-05-30 01:34	30	*****
101	2025-05-30 02:33	31	*****
102	2025-05-30 03:32	31	*****
103	2025-05-30 04:31	?	-
104	2025-05-30 05:30	19	-
105	2025-05-30 06:29	?	-
106	2025-05-30 07:28	22	***
107	2025-05-30 08:27	?	-
108	2025-05-30 09:26	23	****
109	2025-05-30 10:25	?	-
110	2025-05-30 11:24	22	***
111	2025-05-30 12:23	?	-
112	2025-05-30 13:22	22	***
113	2025-05-30 14:21	?	-
114	2025-05-30 15:20	15	-

SCT Error Recovery Control:

Read: 70 (7.0 seconds)
Write: 70 (7.0 seconds)

Device Statistics (GP Log 0x04)

Page	Offset	Size	Value	Flags	Description
0x01	=====	=	=	===	== General Statistics (rev 1) ==
0x01	0x008	4	55	---	Lifetime Power-On Resets
0x01	0x010	4	26511	---	Power-on Hours
0x01	0x018	6	202496648648	---	Logical Sectors Written
0x01	0x020	6	474099718	---	Number of Write Commands
0x01	0x028	6	288264028	---	Logical Sectors Read
0x01	0x030	6	1010815	---	Number of Read Commands
0x01	0x038	6	-	---	Date and Time TimeStamp
0x03	=====	=	=	===	== Rotating Media Statistics (rev 1) ==
0x03	0x008	4	1407102423	N--	Spindle Motor Power-on Hours
0x03	0x010	4	1407081133	N--	Head Flying Hours
0x03	0x018	4	133	---	Head Load Events
0x03	0x020	4	5579	---	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	115	---	Number of High Priority Unload Events
0x04	=====	=	=	===	== General Errors Statistics (rev 1) ==
0x04	0x008	4	0	---	Number of Reported Uncorrectable Errors
0x04	0x010	4	0	---	Resets Between Cmd Acceptance and Completion
0x05	=====	=	=	===	== Temperature Statistics (rev 1) ==
0x05	0x008	1	15	---	Current Temperature
0x05	0x010	1	31	---	Average Short Term Temperature
0x05	0x018	1	32	---	Average Long Term Temperature
0x05	0x020	1	41	---	Highest Temperature

0x05	0x028	1	0	---	Lowest Temperature
0x05	0x030	1	40	---	Highest Average Short Term Temperature
0x05	0x038	1	29	---	Lowest Average Short Term Temperature
0x05	0x040	1	38	---	Highest Average Long Term Temperature
0x05	0x048	1	32	---	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	97	---	Number of Hardware Resets
0x06	0x010	4	49	---	Number of ASR Events
0x06	0x018	4	0	---	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