

Diagnostics report

Device model:	WDC WD5000AAKS-00V1A0	Unit IP:	10.0.0.29
Device serial:	WD-WCAWF2215068	Unit serial:	V474471650
Device firmware:	05.01D05	Write protection:	On
Device size:	500 GB (500,107,862,016 bytes)	Computer:	RAYDEN
Case number:	22	User:	Rayden
Case description:	Owner: John Hartman	OS:	64-bit Windows 8 Enterprise Version 6.2 (Build: 9200)Service Pack: None

Diagnostics results

No major hardware or firmware issues have been found.

SMART reports that there are defects on the media.

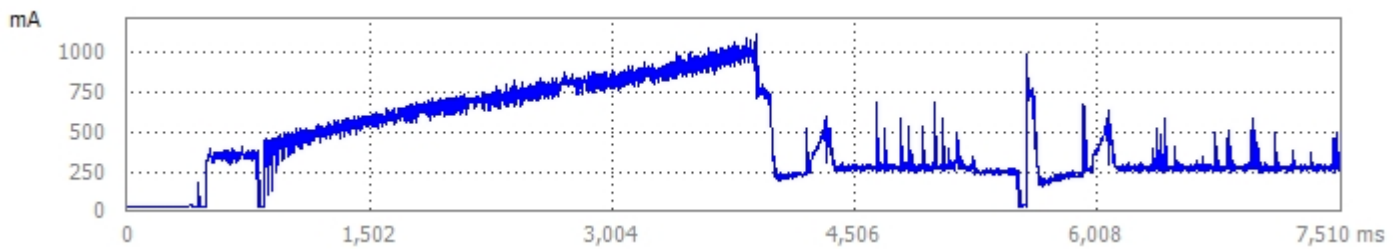
Cannot diagnose file systems because there was an error reading partition table

Full Diagnostic Log

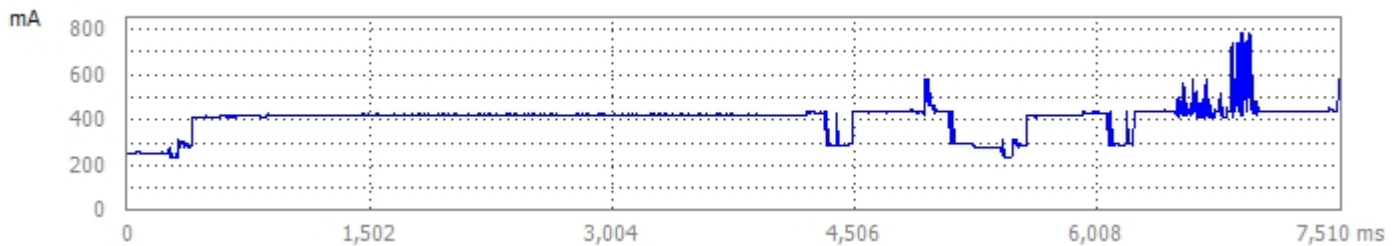
Circuit Board (PCB)

Device is powered on. A power cycle is needed...
Applying power and watching spin-up currents...
Selected Interface: SATA

Current oscillogram (12V):



Current oscillogram (5V):



Device has become ready in 8 sec.

Registers: 0101 0000 0000 0000 0000 A0A0 5050 Alt: 5050

Peak power consumption during spin-up: 5V line = 763.33 mA; 12V line = 1090.30 mA

Status register is valid.

Interface check passed.

Integrity word of device identification data is ok.

Device has been identified: WDC WD5000AAKS-00V1A0 SN: WD-WCAWF2215068

Elapsed: 20.1 sec.

Circuit board check passed

Heads

Checking power consumption curves for signs of head damage

Identifying the device

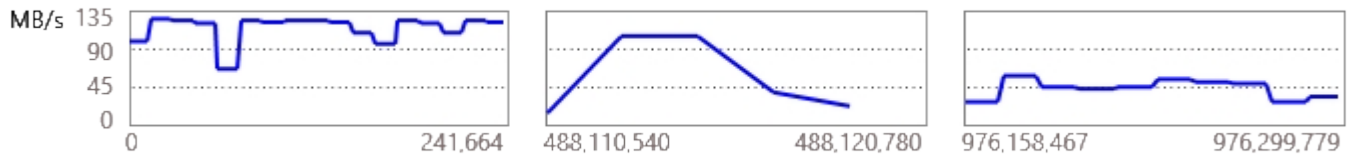
Detecting device family

All device identification checks have passed.

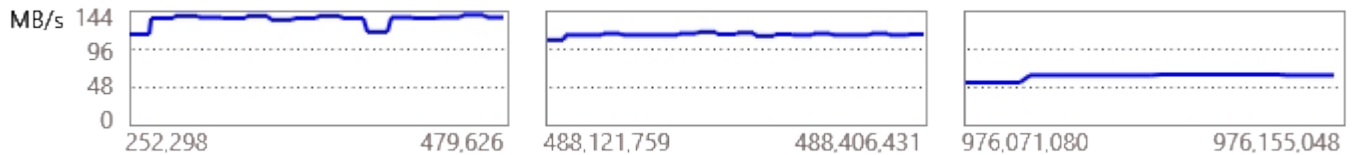
Detected 2 heads: 0 1

Performing media access timing verification separately for each head.

Head #0 speed graph:



Head #1 speed graph:



Head #	Speed	Sectors processed	Freeze count	Read Errors	Head status
0	50 MB/s	413,592	0	0	OK
1	93 MB/s	610,697	0	0	OK

Media access timing verification shows no damage to the head stack.

Elapsed: 8.1 sec.

Head stack check passed

Media Surface

Media scan is running...

Verifying outer tracks (LBA: 0-600,064)

0 error(s) found

Verifying middle tracks (LBA: 488,386,583-488,986,647)

0 error(s) found

Verifying inner tracks (LBA: 976,173,103-976,773,167)

0 error(s) found

Elapsed: 17.1 sec.

Media surface check passed

Firmware

Device is not locked.

Device identification data is valid.

Max Address according to device ID: 976,773,167

Native Max Address Ext: 976,773,167

Max Address from DCO: 976,773,167

Reported capacity appears logically correct.

Performing SMART checks...

SMART reports that there are defects on the media.

#	Attribute Name	Value	Worst	Threshold	RAW
1	Read error rate	200	200	51	21
3	Spin up time	144	140	21	3,791
4	Number of spin-up times	99	99	0	1,302
5	Reallocated sectors count	200	200	140	0
7	Seek error rate	200	200	0	0
9	Power-on time	75	75	0	18,287
10	Spin-up retries	100	100	0	0
11	Calibration retries	100	100	0	0
12	Power Cycles	99	99	0	1,270
192	Power-off retract count	199	199	0	806
193	Load/unload cycle count	200	200	0	495
194	HDA Temperature	115	94	0	28
196	Reallocate event count	200	200	0	0
197	Current pending sectors	200	200	0	41
198	Offline scan UNC sectors	200	200	0	11
199	Ultra ATA CRC Error Rate	200	200	0	9
200	Write error rate at preamp	172	1	0	5,717

Elapsed: 0.2 sec.

Firmware check passed

File System Structures

Error in partition table: Invalid MBR/EBR sector 0

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Elapsed: 0 sec.

File System Structures check complete.