HGST HTS541010A9E680 160811JD10424A14BLPS
1 TB

SATA 8

Case ID:

Not assigned

Creation date:	06/19/2023 11:29 AM	Software version:	2023.6
TaskForce serial:	48484848	TaskForce IP:	10.0.0.153
Location:	SATA 8	Write protection:	Off
Device model:	HGST HTS541010A9E680	Device serial:	160811JD10424A14BLPS
Size:	1 TB (1,000,204,886,016 bytes)	Device firmware:	JA0OA5M0
Case investigator:		Case description:	

Diagnostics completed

Results

No major hardware or firmware issues found

87% of the disk is not associated with any partition.

Device mounted as TaskForce Storage
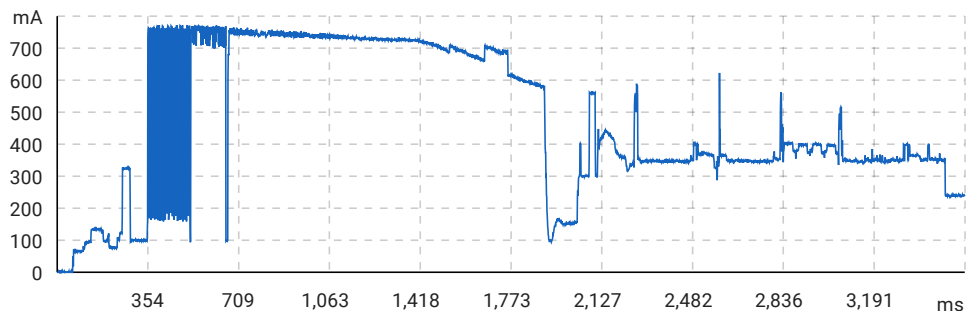
Estimated imaging time: 3 hours 16 minutes

1. Circuit board
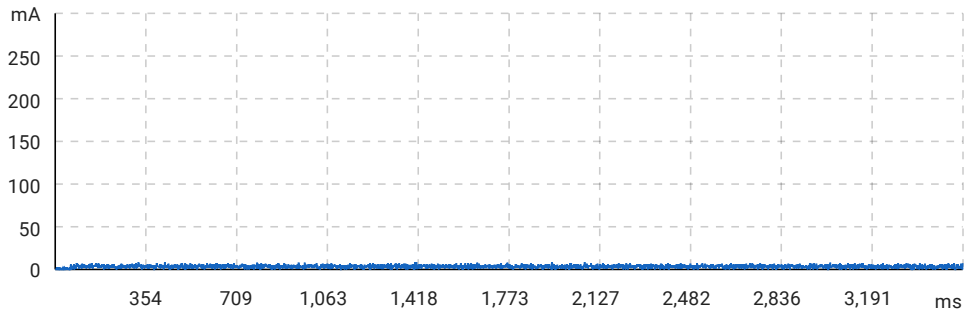
Device is powered on. A power cycle is needed...

Powering down the device...

Applying power and watching currents...

Current oscillogram (5V):

Current oscillogram (12V):

Device has become ready in 3 sec

Registers. Status: 01010000 Error: 00000001

Peak power consumption during power-up: 5V line = 771.35 mA; 12V line = 8.60 mA

Integrity word of device identification data is OK.

Device identified: HGST HTS541010A9E680 SN: 160811JD10424A14BLPS

Logical sector size: 512 bytes. Physical sector size: 4,096 bytes

Circuit board check passed

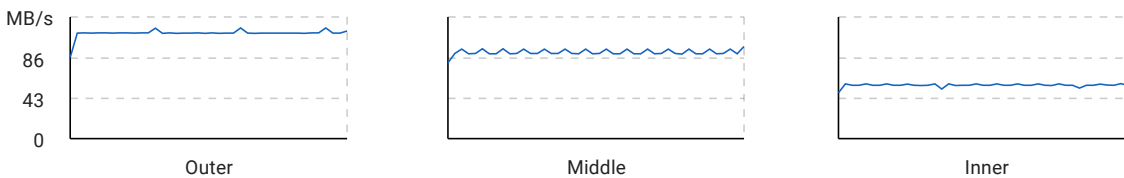**Elapsed: 13.5 sec.**

2. Heads
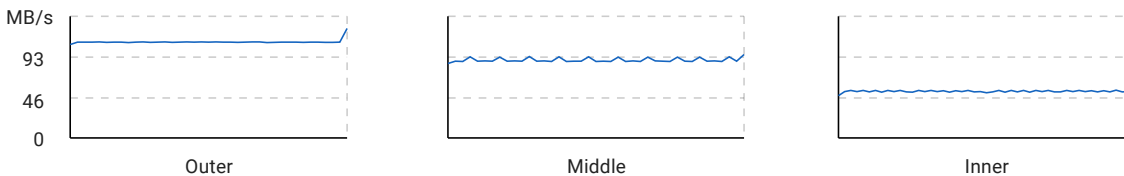
Detecting device family

Detected 4 heads: 0 1 2 3

Performing media access timing verification separately for each head.

Using the following LBA ranges for this test: Outer: 0 - 1,283,520, Middle: 976,120,823 - 977,404,343, Inner: 1,952,241,647 - 1,953,525,167
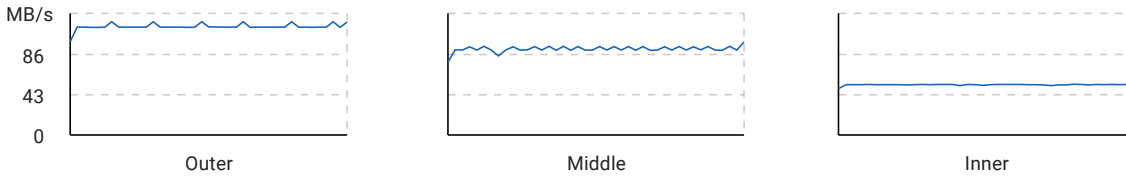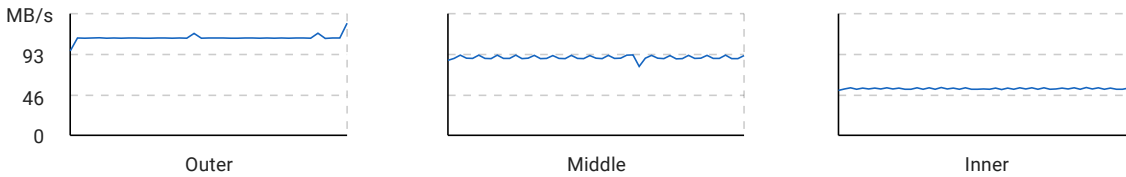
Head #0 speed graph

Head #1 speed graph

Head #2 speed graph

Head #3 speed graph

Head #	Speed	Sectors processed	Freeze count	Read errors	Head status
0	81 MB/s	947,593	0	0	OK
1	78 MB/s	860,688	0	0	OK
2	81 MB/s	1,002,184	0	0	OK
3	80 MB/s	1,015,232	0	0	OK

Media access timing verification shows no damage to the head stack

Head stack check passed

Elapsed: 25.8 sec.

3. Media scan

Media scan is in progress...

Verifying starting sectors (LBA: 0 - 999,999)

   0 error(s) found

   Speed: 112 MB/s

Verifying middle sectors (LBA: 976,762,583 - 977,762,582)

   0 error(s) found

   Speed: 91 MB/s

Verifying ending sectors (LBA: 1,952,525,168 - 1,953,525,167)

   0 error(s) found

   Speed: 54 MB/s

Average speed: 85 MB/s

Media scan check passed

Elapsed: 19.6 sec.

4. Firmware

Device is not locked.

Device identification data is valid.

Max address according to device ID: 1,953,525,167

Native max address (ext): 1,953,525,167

Max Address from DCO: 1,953,525,167.

Reported capacity appears logically correct.
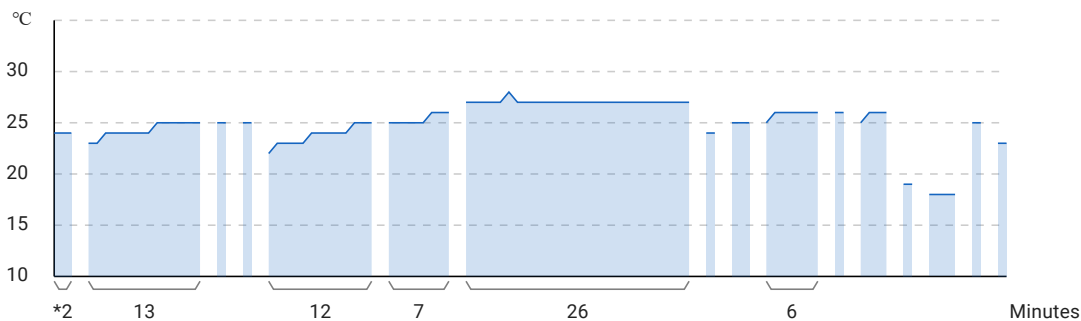
Performing SMART checks...

Power cycles: 2324   Smart status: Good   Powered on: 15 days 13 hours

#	Attribute Name	Value	Worst	Threshold	RAW	Status
1	Raw Read Error Rate	100	100	62	0	OK
2	Throughput Performance	100	100	40	0	OK
3	Spin Up Time	184	184	33	73014444033	OK
4	Number of spin-up times	99	99	0	2356	OK
5	Reallocated Sector Ct	100	100	5	0	OK
7	Seek Error Rate	100	100	67	0	OK
8	Seek Time Performance	100	100	40	0	OK
9	Power On Hours	100	100	0	373	OK
10	Spin Retry Count	100	100	60	0	OK
12	Power Cycle Count	99	99	0	2324	OK
191	G-Sense Error Rate	99	99	0	131072	OK
192	Power-Off Retract Count	100	100	0	142	OK
193	Load Cycle Count	100	100	0	7388	OK
194	Temperature Celsius	222	222	0	227634315291	OK
196	Reallocated Event Count	100	100	0	0	OK
197	Current Pending Sector	100	100	0	0	OK
198	Offline Uncorrectable	100	100	0	0	OK
199	UDMA CRC Error Count	200	200	0	100	OK
223	Load Retry Count	100	100	0	0	OK

Reading SMART temperature...

Temperature and power cycle history

The diagram shows the device temperature history during the recent work time intervals between power cycles.

* Earliest available record. The exact time and duration is unspecified in SMART history.

White gaps represent the interval between temperature measurements. During these periods the temperature sensor was inoperative for periods of time due to power off or standby mode.

Last significant work time interval before power off or standby (in minutes): 26

Firmware check passed

Elapsed: 0.3 sec.

5. File system

Found partition at sector 2,048 (type exFAT). Label: Atola. Partition size: 120 GB.

87% of the disk is not associated with any partition.

Device mounted as TaskForce Storage

File system structures check complete.

Elapsed: 0.8 sec.