VEHAUDIT.DTLRPT is looking as follow:

BROWSE VBELE.***.VEHAUDIT.DTLRPT

(C) IBM	REPORT=DTLRPT	(17116)		LOGICAL \	OLUME AU	DIT REPORT			R	UN ON 17JU	L2017 @	7:22:17
	SEQ=VOL			TITLE	NAME							
UTCMIN	US=07	T BEF	ORE WRITE	TIME IS C	RIGINAL	CLUSTER TI	ME. + BEF	ORE WRITE	TIME IS	ADDITIONAL	TIME TO	MAKE COPY.
NEW_L	VOL MEANS VOLUME E	BEING CRE	ATED WHIL	E BVIR DAT	A COLLEC	TED, TIMES	WRONG.	FILT	ER: 01JAN	1995 @ 0:	00:00 - 0	1JAN2035 @ 23:59:59
VIRT	VOL DEV	FI	ELDS_AVAI	LABLE_IN F	83.1	_					LAST	CURR
VOLSER	SEQ# ADDR CCP	MCNAME	SCNAME	SGNAME	DCNAME	JOBNAME	PGMNAME	CRTDATE	LRFDATE	EXPDATE	RMVDATE	CTGY
470109	1 995C DDINNNN	1				HSM	ARCCTL	04FEB14	04FEB14	INDEF		100F
470110	1 9929 DDINNNN	4				DBAJPBKP	DSNUTILB	02SEP14	02SEP14	CATALOG		100F
470111	1 994B DDINNNN	1				DB2PMSTR	DSNYASCP	03SEP14	03SEP14	18SEP14		100F
470112	2 987D IDDNNNN	1				RIFJBK08	SYS004	29AUG14	29AUG14	CATALOG		100F
470113	2 98A3 IDDNNNN	1				0RSJT640	VASASST	29AUG14	29AUG14	CATALOG		100F
470114	1 9934 DDINNNN	1				DB2PMSTR	DSNYASCP	02SEP14	02SEP14	17SEP14		100F
470115	1 9954 DDINNNN	1				AFSJ007R	SYS004	03SEP14	03SEP14	CATALOG		100F
470116	1 9314 IEDNNNN	1				DV98231C	SYNCSORT		07DEC07		17JUL14	
470117	1 9978 DDINNNN	1				HSM	ARCCTL	03SEP14		INDEF		100F
470118	1 9803 IDDNNNN	1				RE0J99D2			30AUG14	CATALOG		100F
470119	1 98A0 IDDNNNN	1				0RSJT699				CATALOG		100F
470120	1 9830 IDDNNNN	1				IRSJ400		20JAN10	20JAN10	CATALOG		100F
470121	1 9918 DDINNNN	1				HSM	ARCCTL	03SEP14	03SEP14	INDEF		100F
470122	1 983E IDDNNNN	4				AAAJ022				CATALOG		100F
470123	1 9951 DDINNNN	1				PTTJ10G1			21JUN14	S22JUL14		1002
470124	1 987E IDDNNNN	1				RE0J0050				CATALOG		100F
470125	1 991B DDINNNN	1				PTTJ10A5				CATALOG		100F
470126	1 990C DDINNNN	4		SGNAME		EPPJBK00		02SEP14	02SEP14	CATALOG		100F
470127	1 9805 IDDNNNN	1				HSM	ARCCTL	22JAN14		INDEF		100F
470128	1 9875 IDDNNNN	4				RE0J0050	VSAMASST	29AUG14	29AUG14	CATALOG		100F

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	***************************************	Тор	of	Da	ata	***************************************	
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* BEFORE PHVOL1 INDICATES	INCONSISTENT COPY	OF LVOL.	3-D CHAR R	IN TVC COLUMN	MEANS REMOTE MOUNT.
<pre>\$ AFTER PHVOL1 IS STALE C</pre>	OPY.		3-D CHAR E	IN TVC COLUMN	MEANS DATA CORRUPTED.

		CAT SIZE IS		772	20 REMOVAL POLICY 0-PREFER REMOVE. 1-PREFER KE			•									
CMP	BVIR	TMCAT	UNCOTI	112	to Kenovke roller of Kerek Kenove, frikerek Ke	'		7/00010	WRT	TEN	CI 1-H138	0/00011	WRITT	EN	CL 2_H5228	3/00012	WRITTEN
PCT	MBSIZE	MBSIZE	GRID MB	OUTCODE	DSNAME						-				-		HHH:MM:SS
107	4186.00	3901.00 U	8372.00	OUTCODE	HSM. BACKTAPE. DATASET	1.00	C00111		+ 0:03		M00079		+ 0:06:4				21:54:48
107	4100.00	6770.00 U	0372.00		TAPE.DB2P.FULLIMG1.SYSUTILX.G4864V00	TVC1	C00043			0:02 TVC			+ 0:10:5				22:46:35
26	0.79000	3.00000 U	1 58000		TAPE.DB2P.ARCHL0G2.D14246.T1006144.B0047213					4:29 TVC			+ 0:05:0				10:07:23
30	565.59	1839.00 U			TAPE.RIF.VAR.IMAGECPY.CIFIMSTR.G6173V00		C00042		T 20:09		M00026		+ 0:06:0				0:01:16
75	20.26	27.00 U	40.52		TEST.0RSJT640.0RS005.VSAMBKUP.G1671V00	1.001	C00042		T 6:43		M00026		+ 0:06:1				+ 0:01:50
105	4186.07	3971.00 U			TAPE. DB2P. ARCHLOG. D14245. T2251417. B0047209	TVC1	C00042			3:48 TVC ²			+ 0:04:4				22:52:48
100	0.10000	0077.00 0	0.20000		TAPE . AFSJ007R . AFS010 . AAABALBK . G3264V00		C00044			3:48 TVC			+ 0:04:5				10:33:02
30	2885.00	9529.00 U			TEST.ART.ARTBCKP1.QMV0DET.G0147V00		C00098		+ 0:00		M00131		T 19:06:2				8537:36:
		6808.00 U			HSM.HMIGTAPE.DATASET	TVC1	C00044			3:28 TVC			+ 0:04:3				11:03:22
		6764.00 U			TAPE.RE0J999D.STEP999L.LOANBKUP.G0864V00		C00042			9:58 TVC			+ 0:04:2				0:04:29
		2317.00 U			TEST, 0RSJT699, 0RS010, ATSBKUP, G1676V00		C00042		T 6:48		M00026		+ 0:05:3				0:01:26
		4546.00 U			TAPE.IRSJ400.IRS060.QTRFILE.G0062V00		C00104		T 14:28	3:28	M00133		+ 0:07:	17 RMR1		2	· 3473:08:
	0.01000		0.02000		HSM.HMIGTAPE.DATASET	TVC1	C00044		+ 0:02	2:56 TVC	M00030		+ 0:03:5	58 TVC1		٦	11:03:54
84	3973.00	4690.00 U	7946.00		TAPEDR.AAA.VAR.ESTUPLD.ENROLLBK.G3050V00		C00042		T 20:1	1:17	M00026		+ 0:04:0	33 TVC1		÷	0:04:09
100	349.99	348.00 U	699.98		TAPE.PTTJ10G1.PTT005.PTPYMTR.G0075V00				+ 0:07	7:05		-	+ 0:06:3	33		۲	0:03:06
76	3896.00	5111.00 U	7792.00		TAPE.RE0J0050.STEP999L.LOANBKUP.G0042V00	TVC1	C00042		T 20:13	3:52	M00026	-	+ 0:06:2	27 TVC1		÷	0:06:35
107	4186.00	3907.00 U	8372.00		TAPE.PTTJ110.PTT130.VSAMBKUP.G4079V00		C00101		+ 0:12	2:02	M00110		+ 0:11:1	10 TVC1		Ţ	0:03:12
		2.00000 U			TAPE.EPP.VAR.IMAGECPY.EPPDACCT.G2080V00	TVC1	C00044		+ 0:05	5:33 TVC	M00029		+ 0:07:0	95 TVC1		Ţ	23:01:32
		1068.00 U			HSM.BACKTAPE.DATASET		C00157		T 21:53	3:12	M00129	-	+ 0:08:0	91 TVC1		ب	0:07:48
30	2860.00	9506.00 U	5720.00		TAPE.RE0J0050.STEP999C.ESCRBKUP.G0042V00	TVC1	C00042		T 20:14	4:34	M00026		+ 0:05:4	44 TVC1		د	0:05:52
TOTAL																	
5	00400206	*******	*******		509	5626	31577522	4 40766	. 37	3277388	31589636	90	.00 355	154215	0.00) O.	. 00
NUM \	OLUMES WIT	TH ZERO COPI	ES= 108388	ONE CO	<pre>PY= 49 TWO COPIES= 193323 THREE COPIES=</pre>	- 4	70 FOUR	COPIES=	48071								
CATE	ORY NUMBER	R SCRATCH	SIZE	_ MB													
0D0	IF 1	1 +	291	0.82													
000			49547610														
000				3.11													
000			492080														
Tota			50040020														
* * * * *	********	********	*******	*******	**************************************	****	* * * * * * * *	* * * * * * * *	* * * * * * *	******	* * * * * *						

As you can see, the header lines contain the explanation of some abbreviations:

- + BEFORE WRITE TIME IS ADDITIONAL TIME TO MAKE COPY.
- * BEFORE PHVOL1 INDICATES INCONSISTENT COPY OF LVOL.
- 3-D CHAR R IN TVC COLUMN MEANS REMOTE MOUNT.
- T BEFORE WRITE TIME IS ORIGINAL CLUSTER TIME.
- + BEFORE WRITE TIME IS ADDITIONAL TIME TO MAKE COPY.
- \$ AFTER PHVOL1 IS STALE COPY.
- 3-D CHAR E IN TVC COLUMN MEANS DATA CORRUPTED.
- NEW_LVOL MEANS VOLUME BEING CREATED WHILE BVIR DATA COLLECTED, TIMES WRONG.
- U AFTER TMCAT SIZE IS UNCOMP.
- --7720 REMOVAL POLICY: 0-PREFER REMOVE, 1-PREFER KEEP, 4-PINNED

Below – explanations for the columns of the report:

Field (column) Description	Remarks
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VIRT VOLSER	The name of Virtual (Logical) volume	
VOL SEQ#	Sequence number of logical volume (it makes sense for	
	multi volumes data sets)	
DEV ADDR	Device address	
ССР	Copy Consistency Points defined for the volume	This field indicates whether cluster <n> is to have a copy of the volume and the copy consistency point defined for the volume. The values are: 'S' – Synchronous copy consistency point. 'I' - Rewind unload (RUN) copy consistency point. 'D' - Deferred copy consistency point. 'T' – Time Delayed copy consistency point. 'N' - No copy 'X' – Same as an 'N'. Only set for a logical volume that was migrated from B10/20 P2P to TS7700, and its copy had existed on only one side of B10/20 P2P. 'E' - The volume was previously assigned a copy consistency point of synchronous, rewind unload or deferred, but was changed to no copy and a private mount for read operation occurred against the volume. A private mount for write append will change the mode to 'N' since this 'E' copy is no longer valid.</n>
MCNAME	Management Class name assigned to this logical volume	
SCNAME	Storage Class name assigned to this logical volume	
SGNAME	Storage Group name assigned to this logical volume	
DCNAME	Data Class name assigned to this logical volume	
JOBNAME	Job Name	
PGMNAME	Program Name	
CRTDATE	Creation Date	
LRFDATE	Last Reference Date	
EXPDATE	Expiration Date	The char "S" before the value of EXPDATE means that the volume is SCRATCH
LAST RMVDATE	Removal date	In a TS7700 Grid configuration, TS7720 clusters may remove volumes from tape volume cache after replicating to peer clusters. If the removal state shows that this volume was removed, this timestamp represents the time of when it was removed. If not already removed, and removal is enabled, and this volume is not pinned, this time represents the earliest time of which it can be removed (last access time plus the configured minimum retention time).
CURR CTGY	The category the volume is currently assigned to within the library manager associated with the cluster.	
CMP PCT	Percent of compression of data set	
BVIR MBSIZE	Size of data set (MB) from VOLUME STATUS file or CACHE file	
TMCAT MBSIZE	Size of data set (MB) from Tape management Catalog	
GRIDMB	Total size of data set (MB) (logical volumes) in Cache and all back up tapes	
OUTCODE	OUTCODE Reflects VMS (Vault Management System) Location	
DSNAME	Data set name	

TVC	Logical volume location and status	Examples: TVC1 means, volume is located in cache with "prefer to keep". RMV1 - volume was removed (see the column "LAST RMVDATE"). "1" after "RMV" - the rest from "TVC1", which was set by the program just before the program detected, that volume is removed. RMR1 - the volume was (at first) "TVC1", then program detected "remove" - "RMV1", then program detected, that it was mounted "remotely" = RMR1. Perhaps we have to think, how to improve " R" - "3-D CHAR R IN TVC COLUMN MEANS REMOTE MOUNT". blank - no info about this volume in CACHFILE.
PHVOL1	Physical volume where the logical volume is copied to.	
PHVOL2	The second physical volume where the logical volume is copied to.	If you use " Selective Dual Copy function " for some or all of your data, a second physical copy of the data is written to a physical volume.
WRITTEN HHH:MM:SS	Original Cluster time, Additional time to make copy.	 "T" before WRITE TIME is original cluster time. "T" here means: "This volume was the actual version written to directly by the last host write operation as a primary TVC cluster.". Time to the right side shows the time, when this logical volume has been created. "+" means, that copy of the logical volume has been done here after <hours:minutes:seconds> when the original volume was created.</hours:minutes:seconds> In general, some other values are possible here : If the volume is consistent, this field states what method was used to bring this volume up to consistency. 'U' – Unknown 'C' – Grid replication was used to bring the volume up to consistency. 'M' – An MES process was used to bring the volume up to consistency. 'R' – The volume was the actual version written to directly by the last host write operation as a secondary TVC (Fork) cluster with Synchronous copy mode.
TOTAL MB(GB)/MiB(GiB) (at the bottom of the report)	This lines shows the total amount of data on the corresponding cluster	operation as a secondary rive (ronk) claster with synchronous copy mode.
NUM VOLUMES WITH ZERO COPIES= 170913 ONE COPY= 1329	Shows the number of logical volumes which have zero copies, one copy, two copies, etc	
CATEGORY NUMBER SCRATCH SIZE_MB(GB)"	The table " CATEGORY NUMBER SCRATCH SIZE_MB(GB)" shows the distribution of volume categories, the total size of volumes for each category, and the char "+" in the column SCRATCH says if this category is "scratch"	"" means that the field "category" is not filled in the source file

Updates:

2017-07-17: "S" before the value of EXPDATE means the volume is "scratch". Volume's "categories" are added also. 2018-02-13: Increase the number of positions for the size of the files. By default – all values are in MB. Parameter MBBASE (=1000 or 1024) could be used to convert the sizes to MiB. Also the new parameter USEGB is applied to convert the values to GB (or GiB). Even USETB could be specified. 2018-04-03: Remove showing markup.