

**RELEASE FOR
TRANSFERRED
PRODUCTION**

IN BRIVE OF TYPES:

D 14-160GH/09

95447


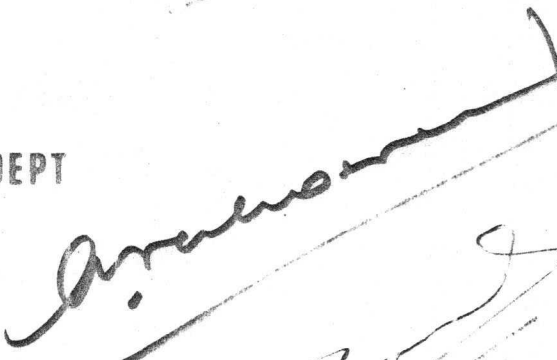
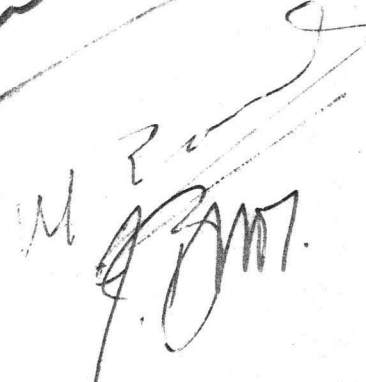

THE UNDERSIGNED AGREE TO

**RELEASE FOR TRANSFERRED
PRODUCTION**

OF : INSTRUMENT CATHODE-RAY TUBE

TYPE : D10-170...

PRODUCTION CENTRE : BRIVE

<u>NAME</u>	<u>DEPARTMENT</u>	<u>SIGNATURE</u>
Mr. Modderman	COMMERCIAL DEPT	
Mr. Verhoeven	DEVELOPMENT DEPT	
Mr. Radstake Mr. Bru	MANUFACTURING DEPT	
Mr. Wassenaar Mr. Menet	QUALITY LABORATORY	

DATE 5.1.1976

ELCOMA

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAB-84/76.062

4-1

76-03-19

ONDERWERP : Release for transferred production in Brive of C.R.T. types D14-160GH/09 and 95447.

The C.R.T. types D14-160GH/09 and 95447 made in Brive are tested in Eindhoven on several parameters according to the F and L and lifetest specifications to obtain :

"Release for transferred production" in Brive.

Annexed reports give summaries of test - and measuring results of the above mentioned tube types.

As can be seen the results summarised on sheet 2, 3 and 4 these types can be given.

"Release for transferred production" in Brive.

K.Wassenaar

Copy to Messrs.: Van Geffen

Honig

Mathijssen

Mulder

Peper

Radstake

Schell

Varekamp

Modderman

Weiwer

Menet

Bru

} Brive

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ONDERWERP : Release for transferred production D14-160

95447

Summary of test results

- 1) See reports RAR-84/75.171 test results batch 1
 75.222 test results batches 2 and 3
 75.240 test results batch 4
 76.022 test results batch 5
 RAR-84/75.229 L test and life test results batch 1
 /76.012 L test and life test results batch 2

2) Summary of test II results

Received 5 batches (135 pieces)

Good 78 pieces

2 pieces stray emission (repaired)

7 pieces dirt on the mesh (repaired)

4 pieces modulation too high (repaired)

33 pieces silicat stains (repaired)

Good after repair 124 pieces

Rejected 3 pieces usefull scan too small

1 piece eccentricity

1 piece grey dot

1 piece black dot

1 piece $\nabla Vg1$ too high

1 piece rasterdistortion

1 piece bruise

2 pieces cracked near screen

3) Summary of L test results

Batch 1 : All faults have already been mentioned in test

II results RAR-84/75.171

The results are satisfactory

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ONDERWERP :

4) Summary of lifetest results

Batch 1	<u>0 hours</u>	No remarks
	<u>1000 hours</u>	The results are satisfactory
Batch 2	<u>0 hours</u>	2 tubes with modulation too high good after 160 hours.
	<u>1000 hours</u>	1 tube modulation rather high 37 V (was bad on 0 hour)

The remaining electrical measurements are good.

5) Conclusion

From the results we conclude that there is no objection against release of the C.R.T.'s D14-160..., 95447 for production and measuring in Brive. .

G.Geevers

FAULT
CODE.

002
105
104
007
010
501
405
405
605
402
403
506
506
509
605
204
507
505
505
505
406
502
504
001
205
502
401
603
001
210
208
009

See Manual

DATE CODE	RECEIVED	MEASURED	GOOD	REJECTED	GOOD REL. TO MAN. TOL.	REPAIRED IN BIN	REPAIR. IN BRIVE	GOOD AFTER REPAIR
35447 E59	25 25	2 23 8 17	19					
16019 E5J	20 20	18 2 80 1	20					
16019 E5J	-10 10	9 7 90 0						
35447 E6J	40 40	10 30 25 26	36					
97419 E5I	2 2	2 0 100 0						
97419 E5K	3 3	3 0 100						
35447 E6A	40 8	7 7 88 7	8					
35447 9	7 7	0 7 0 7	7					

GRAVALWA TOO HIGH
INSULATIONS
HIGHT TENSION
GAS CROSS
SCREEN QUALITY
BRIGHTNESS TOO LOW
BLIND CURRENT
LEAKAGE CURR. PDR
-19, too HIGH/LOW
MODUL. TOO HIGH
Jr too LOW
Jr too LOW
ANGLE OF TARGET
PATTERN DISTORTION
PIN/CURR. CORR.
BLANKING TOO HIGH
CONNECTION
DEAL. FACT. TOO HIGH/LOW
FOCUS RENS. TOO HIGH/LOW
ACTIV. TOO HIGH/LOW
DIRT ON DIRT
SPOT CHARGING
USE FULL SCAN TO SPOT
STRAY EMISSION
BASE ALIGNMENT
ALIGN. PDR CORR.
ECCENTRICITY
Ic TOO HIGH/LOW
WRONG TYPE CORR.
LOOSE BASE
SCRATCHES/SIZ. STAINS
DIRT ON THE MESH
BRUISE
GLASS STRAIN N. SCREEN
DIRT ON THE MESH
NO BLUE COATING

TYPE 2
D14-160

BATCH IS 9000
BATCH IS REJECTED

DELIV. TO THE STOR.

19
20
9
26
2
3
40
7

ONDERWERP : Release for transferred production 95447 batch 1

Test II results

Received 25 tubes

Measured 5 tubes (First sample test)

Good 1 tube

Rejected 4 tubes 1x dirt on the mesh and silicat stains
2x silicat stains
1x dirt on the mesh, silicat stains
useful scan Y too small, eccentricity
Y too big.

Batch is rejected.

Measured 20 tubes (second test) total lot

Total results of all tubes:

Good 2 tubes

Rejected and repaired: 1x dirt on the mesh and silicat stains
515379
7x silicat stains 525090- 515382 - 525077
- 530055- 530046 - 530052- 530015
1x bruise + silicat stains + modulation
too big 525062
1x silicat stains + bruise + dirt on the
mesh 530022
1x silicat stains + scratches 530043
1x scratches + dirt on the mesh 53038
1x bruise 530034
1x bruise and silicat stains 530073
1x modulation too big and silicat stains
524139
1x dirt on the mesh 525070
1x scratches 525063

Rejected not repaired: 1x Eccentricity Y too big, useful scan
too small, dirt on the mesh and silicat
stains 515378
1x Eccentricity Y too big 515387
1x Useful scan too small 525052
1x Useful scan too small and silicat
stains 515575
1x Grey dot 1.5 mm and silicat stains 530030
1x Black dots 0.5-0.4 mm and scratches
515413

Good after repair 19 tubes

for L-test: 515378 - 515387 - 525052 - 530030 - 515413

G. Geervers

Copy to Messrs.: Menet, Varekamp, Wassenaar

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KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/75-222

1

75-11-11

OPMERKING : Release for transferred production D14-160GH/09 batch 2
batch 3

Test II results

Batch 2 Received 20 pieces

Measured 20 pieces

Good 18 pieces

Rejected 2 pieces

1x modulation too high (repair)

1x dirt on the mesh (after repair good)

5 pieces will be used for L test

2 pieces will be used for life test

Batch 3 Received 10 pieces

Measured 10 pieces

Good 9 pieces

Rejected 1 piece - V₁ too high

Rejected tube will be used for life test

Total results

Measured 30 pieces

Rejected 1 piece

Repaired 2 pieces

Good 27 pieces

G. Geervers

Copy to Messrs.: Honig
Hanet
Varekamp
Wassenaar

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RAR-84/75.240

1

75-12-03

ONDERWERP : Release for transferred production 95447 batch 4

Test II results

Received 40 pieces

Measured 40 pieces

Good 10 pieces

Rejected 30 pieces

22 pieces silicat stains(repaired)

2 pieces dirt on the mesh(repaired)

2 pieces stray emission (repaired)

1 piece raster distortion

1 piece glass strain near screen

1 piece cracke near screen

1 piece bruise

After repair total result

Delivered to the store 36 pieces

rejected 4 pieces

G.Geevers

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Menet

Varekamp

Wassenaar

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RAR-84/76.022

1

76-02-12

ONDERWERP : Release for transferred production 95447 batch 5

Test II results

Received 40 pieces tube code E6A

Measured 8 pieces

Results : Good 7 pieces

Repaired 1 piece (modulation too large)

Batch is fault, but because of high urgency of delivery,
this batch is delivered to the store.

Delivered to the store 40 pieces

Remark : See remarks on report RAR-84/76.021

G.Gesvers

Copy to Messrs.: Honig
Menet
Modderman
Radstake
Varekamp
Verhoeven

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KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/75.229

11-1

75-11-20

ONDERWERP : Release for transferred production 95447 Batch 1

L test and life test results

(for test II results see RAR-84/75.171)

All faults are already mentioned in test II results
The results are satisfactory.

Life test results 0 hours

No remarks

1000 hours

The results are satisfactory

The total results are satisfactory.

G.Geevers

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Menet

Varekamp

Wassenaar

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