

Ship To:
 Wright State University
 Colonel Glenn Hwy 3640
 Dayton
 United States

Test and Verification Report

Work Order: WO-08870518

WORK DETAILS

Engineer Name: Bruce Weber
 Device Status: Conditional Pass
 EQUIPMENT DETAILS

Event Type: Predictive / Preventative Maintenance
 Service Activity: Visit 1

Product Name: Achieva 3.0T
 Product Number: 781278

Serial Number: 38004
 Installed Product: 45274740
 UDI:

	Min	Max	UoM	Measurement	Result	Comments
PM section 4. Safety						
4. Safety						
Prevent electro static discharge					PASS	
PM section 6. Workflow						
Workflow						
Interview the representative of the site					YES	
PM section 7. System level						
System level						
Do PIQT (Remote / On-site)					PASS	
Check the door switch					Pass	
Check the system airflow					PASS	
Check system parts visually					PASS	
Check the dust filter [CDAS]					Not Installed	
Check the dust filter of the patient ventilation					PASS	
Disable alerts					PASS	
Check the RF enclosure					PASS	
Relative humidity Examination room	40	70	%	65	Pass	
Relative humidity Technical room	30	70	%	52	Pass	
Temperature Examination room (> R5)	18	24	°C	18	Pass	
Temperature Technical room	15	24	°C	19	Pass	
Check the respiratory sensor and hose					PASS	
Check the version of the SPT spec file (Remote / On-site)					PASS	
Compare and download the SPT spec file					PASS	

	Min	Max	UoM	Measurement	Result	Comments
PM section 9. Gradient System						
Gradient System						
Check the connections of the gradient coil					PASS	
PM section 10. Liquid Cooling						
Liquid cooling						
Check the glycol concentration	-42	-26	°C	-30	Pass	
Check the flow in the gradient coil circuit	18	22	l/min	22	Pass	
Check the flow in the gradient amplifier	30	45	l/min	33	Pass	
Liquid cooling [LCC2BB] [LCC2B]						
Clean the primary strainer (filter)					PASS	
Check the hoses with liquid cooling for leaks					PASS	
Fill the secondary circuits	2		bar	2.2	Pass	
Check the flow Interlock					PASS	
PM section 11. Refrigerator system						
Refrigerator system						
Check the dynamic pressure of the compressor					PASS	
PM section 12. Magnet system						
Magnet system						
Check the water drain					PASS	
Check the service history of the coldhead [4K]					≤ 48 Months Ago	
Record the last date coldhead service was done					Mar 30, 2022	
PM section 13. Patient support						
Patient support [MT]						
Check the stop function on operator console					PASS	
Check the stop scan buttons on the magnet					PASS	
Check the emergency stop circuit					PASS	
Check the emergency stop button					PASS	
Check the tabletop release button					PASS	
Check the stop function of finger protection plate					FAIL	this system does not have a finger switch assembly which is normal for this system
Check the manual function of the tabletop					PASS	
Check the patient alarm					PASS	
Clean the pollution of grease					PASS	
Check the patient comfort lights					PASS	
Check the table top for damage, loose glass-fibers (L2)					PASS	
Check the wheels (trolley)					PASS	
Check the patient support [AD5 SA Tilt I/T] (Interventional syst.)					AD5 Not installed	

	Min	Max	UoM	Measurement	Result	Comments
PM section 13. Patient support						
Patient support [MT]						
Check the table top for damage, loose glass-fibers					PASS	
PM section 14. System Meas. & Adjustments						
System Meas. & Adjustments						
Do a check with the HealthViewer application					PASS	
System measurements and adjustments						
Use the analyzer					PASS	
PIQT						
Do PIQT					PASS	
Generate a report with PIQT results					PASS	
Mark the PIQT scans as reference specifications					PASS	
PM section 15. Operator Console & Viewing						
Operator Console & Viewing (All)						
Clean the mouse, keyboard, monitor of host and EWS					PASS	
Check the audio communications					PASS	
PM section 16. Software						
Software						
Clean up disks					PASS	
Export the configuration					PASS	
PM section 17. FCOs and corrective maintenance						
FCOs and corrective maintenance						
Implement FCOs and corrective maintenance					none	
PM section 18. One time tasks						
18. One time tasks						
Convert to LED bore lights					Already installed	
PM section 19. PM end						
19. PM end						
PM - Enable alerts					PASS	
Handover					PASS	
Administration					PASS	

Debrief

Number of Soft Failures

1

Philips Representative Signature:



Engineer Name: Bruce Weber

Date: Sep 21, 2023

