

## Maintenance Schedule

**WP07050641**

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Title:

**Maintenance Schedule KONVEKTA air conditioning units – SOLARIS**

Date: 21.09.2021

Valid for:

**Maintenance staff**

Ablage: WP07050641-R03 WP Bus SOLARIS englisch

Pos.	Maintenance- / Repair Features	Approx. expenditure of time in minutes	Test parameter / settings - Comments	Maintenance intervals					
				A	B	C	D		
<b>WK</b>									
1.	Check all air filters for fouling.	10 min.	Visual inspection and if necessary clean or renew them.	(X)	X				
2.	Check oil filling of compressor (at sight glass).	5 min.	After 5 min. running time the oil level should be visible in the sight glass.		X				
3.	Check condition and tension of v-belt.	5 min.	Visual and functional inspection.		X				
4.	Check function of the magnetic clutch of the compressor.	2 min.	Visual and functional inspection.			X			
5.	Check refrigerant status of the conditioning system (at sight glass).	10 min.	After 2 min. operation time no bubbles should be visible in the sight glass any more.			X			
6.	In case point 5 is not okay, check the refrigerant lines for leaks.	10 min.	Visual inspection.			X			
7.	Check refrigerant receiver.	5 min.	Visual check for corrosion and mechanical damages due to Pressure Equipment Directive.			X			
8.	Exchange filter drier.	30 min.				X			
9.	Check condenser and evaporator heat exchangers for dirt.	15 min.	Visual inspection and if necessary, clean them and align the fins.			X			
10.	Check function of high (HP) and low pressure switch (LP).	10 min.	OFF: 25,0 (+/-0,5) bar / ON: 18,0 (+0,5/-0,5) bar OFF 0,3 bar (+/-0,2) / ON 2,1 bar (+/-0,2)			X			
11.	Check electrical wires, connections, sensors and fuses.	10 min.	Visual inspection for corrosion and chafes. Check plug connections and electrical connections for tight fit.			X			

Pos.	Maintenance- / Repair Features	Approx. expenditure of time in minutes	Test parameter / settings - Comments	Maintenance intervals					
				A	B	C	D		
<b>WK</b>									
12.	Functional test (heating – cooling) with diagnosis. Read-out fault memory. Functional check of fans and blowers, as well as flaps and valves.	30 min.	Functional test of the complete system.			X			
13.	Exchange oil filling of compressor according to the instructions of the compressor manufacturer: We recommend doing the first exchange after one year at the latest, afterwards every 3 years or 5000 operating hours.	180 min.	KVX40: 2.0 liter KVX50: 2,6 liter HGX34P / 255-2A to 380-4A: 1,4 liter  Oil type: Triton SE 55 (Ester oil) (H14-002-426)			(X)	X		
<b>A</b>	Monthly maintenance works.		→ Filter service in case of heavy fouling						
<b>B</b>	Half-yearly maintenance works								
<b>C</b>	Yearly maintenance works.								
<b>D</b>	Maintenance works every 3 years.								

Erstellt: O. Aubel (TKD)	Gepüft R. Boland	Freigegeben B. Kern (TKD)	Revisionsstand: <b>R03</b>
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