

Maintenance Schedule

WP 07 05 06 20

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Title:

Maintenance schedule transport refrigeration units

Date: 17.05.2016

Valid for:

Maintenance staff

File:

WP07050620-R03 Wartung Kühlenanlagen englisch

Item	Maintenance Features	Set Points	Comments	Maintenance Intervals				
				A	B	C	D	E
WK	Refrigerant Circuit and Components							
1.	Check refrigerant status.	Check of capacity or visual inspection of the sight glass.	At running system			X		
2.	Leak test with leak detecting device.		According Regulation (EU) 517/2014. No ultraviolet lamp				X	
3.	Clean condenser coil.	Flat-tube heat exchanger least every six months. Conventional technology according to area of application annually or more frequently.	With compressed air against the flow direction.			X		
4.	Replace collector (drier-collector unit).	Yearly or after intervention in the refrigerant circuit.					X	
5.	Check collector on corrosion.	2x yearly	Visual inspection.			X		
6.	Check condition and tension of v-belt at compressor.	Abrasion, crack formation	Visual inspection			X		
7.	Check screwed connections at compressor and bracket on tight fit.	Crack formation Loose screws	Visual inspection			X		
8.	Check hoses and pipes.	Chafe mark Leakages	Visual inspection			X		
9.	Inspection of the insulation of the cold storage room in respect of damages.		Visual inspection				X	
10.	Visual inspection of the general state of the unit.		Visual inspection			X		
11.	Check defrosting function and water drain.						X	
12.	Inspection of safety switch.	Off: at 25,0 bar On: at 18 bar	EN 378			X		
13.	Overall function of cooling unit.					X		
14.	Check, if necessary, correct the oil level of semi-		¼ to ¾ height of the sight			X		

Pos.	Maintenance Features	Set Points	Comments	Maintenance Intervals				
				A	B	C	D	E
WE	Electric							
1.	Check control lamps and indicator devices.		Visual inspection			X		
2.	Check function of the condenser fan.	Function fan control Condenser fan level II: 19 bar Condenser fan level I: 15 bar	Option PWM - Signal			X		
3.	Check function of the evaporator blower.					X		
4.	Check function of the magnetic clutch at the compressor.					X		
5.	Visual inspection of electric cables regarding chafe marks		Visual inspection			X		
6.	Check tight fit of plug connections.					X		
7.	Check fuses on prescribed current intensity.		According to wiring scheme			X		
8.	Check control	According to the intended use	Setting of defrost time			X		
Maintenance Intervals								
A	Start of operation							
B	Monthly maintenance works							
C	Half-yearly maintenance works							
D	Yearly maintenance works							
E	Maintenance works every 3 years							

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