

XRV COMPRESSOR PACKAGE - MAINTENANCE SCHEDULE

Action required		Daily	Monthly	6 monthly or 5000 hr	yearly or 5000 hr	2 yearly or 10000 hr	3 yearly or 15000 hr	4 yearly or 20000 hr	5 yearly or 25000 hr	10 yearly or 50000 hr	Remarks
1	General										
1.1	Log sheet	X									
	- oil level in separator	X									
	- suction pressure	X									
	- discharge pressure	X									
	- XRV unit without oil pump: oil suction/discharge diff. pressure	X									
	- XRV unit without oil pump: oil manifold/discharge diff. pressure	X									
	- XRV unit with oil pump: oil manifold/suction diff. pressure	X									
	- differential pressure on oil filters	X									
	- discharge gas temperature	X									
	- oil injection temperature	X									
	- capacity slide position	X									
	- main drive motor amperages	X									
	- oilpump motor amperages (if applicable)	X									
	- motor bearing temperature DE/NDE	X									
	- oil cooler coolant inlet temperature	X									
	- oil cooler coolant outlet temperature	X									
	- running hours	X									
	- oil return from secondary elements to compressor	X									
	- inspection of refrigerant or oil leaks	X									
	- unusual noises and vibrations	X									
	- refrigerant level in liquid separator	X									
2	Filter elements										
2.1	Change elements oil filters		X								Dependent on diff. press. alarm
2.2	Clean element compressor suction strainer			X							
2.3	Clean oil pump suction strainer (if applicable)			X							
2.4	Change secondary elements					X					
3	Oil										
3.1	Take sample for analysis		X								
3.2	Oil change			X							Dependent on oil analysis
4	Electric Motor										
4.1	Main drive motor - grease bearings										See name plate motor
4.2	Main drive motor - clean/repack bearing										See motor manual
4.3	Oil pump motor - grease bearings (if applicable)										See name plate motor
4.4	Oil pump motor - clean/repack bearings (if applicable)										See motor manual
5	Coupling										
5.1	Check all flexible couplings for wear			X							
5.2	Check alignment			X							
6	Compressor										
6.1	Check capacity control system	X									
6.2	Inspection			X							
6.3	Shaft seal replacement				X						
6.4	Major overhaul					X					Replace bearings, seals, etc.
7	Oil pump										
7.1	Check shaft seal			X							
7.2	Major overhaul							X			
8	Instruments: gauges/control valves/switches										
8.1	Check calibration/set point			X							
8.2	Functional test	X									
9	Safety relief valves										
9.1	Visual inspection and leaktest			X							
9.2	Re-calibrate							X			
10	Safety switches										
10.1	Visual inspection and functional test			X							
11	Emergency systems and alarm signals										
11.1	Visual inspection and functional test			X							
12	Electrical										
12.1	Check terminals on all motors			X							
12.2	Check heaters	X									
13	Vibration										
13.1	Vibration Analysis				X						Recommended