

Service Chart for Compressors with Yearly Running Time Below 700 hours

Service schedule

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|-------------------------------------|-------------------------------|
| 1) Checkpoints before/when starting | 4) Every 3 rd year |
| 2) After commissioning or 20 hours | 5) Every 20000 hours |
| 3) Every 700 hours or once a year* | 6) Every 35000 hours |

* Whichever comes first.

Operation	1	2	3	4	5	6
Check controller display for alarms	X					
Check function water separator and drain	X					
Check oil level**	X					
Check hoses for leakages	X					
Check running temperature	X					
Tighten electrical cables	X	X	X			
Tighten connections and screws	X	X	X			
Replace oil filter and reset timer to 700h	X	X	X			
Change oil every second year max 1500h */**						
Replace oil separator cartridges				X		
Change strainer for oil return				X		
Change orifice return line				X		
Clean oil return line				X		
Replace air filter			X			
Change belts (TMC6-85)				X		
Check flexible coupling element (TMC105-365)				X		
Clean cooler if needed (water cooled compressors)				X		
Clean cooler externally (air cooled compressors)			X			
Check operation of safety valve			X			
Replace Rep. kit inlet valve				X		
Replace Rep. kit Discharge valve				X		
Replace seal kit on oil stop valve air-end*****				X		
Replace seal kit non return valve air-end*****				X		
Change non return valve for control air				X		
Change Solenoid valve for drain				X		
Change solenoid valve for load function				X		
Change blow down membrane				X		
Change oil thermostat element				X		
Change rep kit water thermostat				X		
Change valve PS 1				X		
Change membrane in valve PS 2				X		
Replace control air piping (if required)				X		
Check air end and motor pulleys or the flex. couplings				X		
Replace air-end shaft seal kit					X	
Replace motor bearings					X	
Replace compressor Air End with a factory reconditioned unit.						X
Lubricant el. motor bearing according to motor manual 1500/ or 3000 hours depending on model***						

Operation	1	2	3	4	5	6
El. box filter change****				X		
Automatic condensate level drain****, rep.kit			X	X		

- * For oil & grease recommendation – see instruction manual “oil and lubrication recommendation”, motor name plate or motor manual.
- ** Stop the compressor for at least 10 minutes before checking oil. Oil to be sampled and tested every 6th month according to oil manufacturer’s specification. See also number 4 in the list below for more information.
- *** 1500 hour lubrication intervals are valid for TMC 86-124, TMC105-235 SA models and TMC 240 – 365. All other models have 3000 hour intervals.
- **** Optional equipment. Check yearly & replace rep. kit when if required
- ***** Only for air-end type 255/255G and 321/321G used in compressor type ML, L250-L315

Maintenance of compressors with low running hours

1. Oil sampling and testing every 6th months is recommended for compressors with 2 years oil change interval to discover any abnormality in the oil during the running period. On small compressors it might be easier to change oil every year rather than sampling.
2. Do not fill oil between oil changes without knowing the reason for the oil consumption. Keep a log for oil filling between oil changes stating amount of oil and type of oil filled.
Never mix oil and grease types.
3. The compressor need to be started minimum once a week and to be loaded for one hour to secure that all water condensate in the oil system is evaporated.
4. Before starting the compressor after a week stand still, open the drain valve in the bottom of the separator receiver tank and check that no water is detected in the oil reservoir. If water is found drain out before starting the compressor.
5. The running temperature of the compressor need to be minimum 50°C above the cooling media or ambient temperature, whatever is highest.
6. Check condensate after water separator daily. The condensate shall never be more than light milky white in colour.



All alarms and service signals from the compressor controller must be followed.



Do not mix different oil or grease types as this will lead to high risk of oxidation.



Always adjust service counter in controller when servicing the compressor. Different installations, ambient temperature and running conditions might lead to different service schedule.



Intervals are based on synthetic screw compressor oil ISO VG 46.



To maintain warranty rights it is essential to follow the maintenance schedules and only use original spare TMC spare parts. TMC will reject all warranty claims were this is not followed.