

Compressor Maintenance Report

for G-DRIVE and V-DRIVE

Customer:	
Machine Model:	Serial Number:
Operating Hours Total:	Operating Hours Loaded:

Maintenance Task	Maintenance Interval (operating hours or elapsed time, whichever occurs first)					Done Yes / No	Comment
	500 h Initial	2,000 h	4,000 h	8,000 h			
	3 mth	6 mth	1 yr	2 yr			
Control system (compressor)	C	C	C	C			
Error log (control system)	C	C	C	C			
Error log (frequency converter) *	C	C	C	C			
Operation check	C	C	C	C			
Vibration	C	C	C	C			
Compressor - noise check	C	C	C	C			
Electric motor - noise check	C	C	C	C			
Intake filter (element)	C	•	•	•			
Pre-filter mat(s) *	C	•	•	•			
Compressor oil	C	C	•	•		Type:	
Oil filter	•	•	•	•			
Fine separator (cartridge)	C	C	•	•			
Seal set	C	C	•	•			
Oil temperature regulator	C			•			
Intake regulator incl. control block	C			•			
Solenoid valve(s)	C			•			
Minimum pressure valve	C			•			
Safety valve	C	C	C	C			
Residual oil extraction system	C	C	C	C			
Air cooler	C	C	C	C			
Oil cooler	C	C	C	C			
Hoses (oil, air)	C	C	C	C			
Pipe joints and fittings	C	C	C	C			
Threaded fasteners	C	C	C	C			
Pressure sensor	C	C	C	C			
Electrical system	C	C	C	C			
Wiring	C	C	C	C			
Frequency converter **	C	C	C	C			
Filter mat for frequency converter *	C	C	•	C			
Fan for frequency converter *	C	C	C	C			
Electric motor	C	C	C	C			
Electric motor bearings	C	C	•	•			
Elec. motor anti-vibration mounts *	C	C	C	C			
Coupling Damper	C	C	C	C			

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Compressor air end	C	C	C	C		
Shaft sealing ring for air end	C	C	C	C		
Compressor air end bearings	C	C	C	C		
Temperature sensor for air end	C	C	C	C		

Fan(s)	C	C	C	C		
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Clean compressor components	C	C	C	C		
Direction of rotation, drive motor	C	C	C	C		
Direction of rotation, fan motor(s)	C	C	C	C		
Test run	C	C	C	C		
Seal integrity	C	C	C	C		
Maintenance message	C	C	C	C		
Service label	●	●	●	●		

The following must be documented each time maintenance is performed:						
Loaded supply voltage (100%) L1/L2, L1/L3, L2/L3						Volt
Idle mode supply voltage L1/L2, L1/L3, L2/L3						Volt
Loaded current draw (100%) (terminal current) L1, L2, L3						Ampere
Idle mode current draw (terminal current) L1, L2, L3						Ampere
Fan current draw						Ampere
Frequency converter current draw *						Ampere
Compression end temperature						°C
Idle mode pressure						bar
Operating pressure (from - to)						bar
Ambient temperature						°C
Ambient relative humidity						%

C = Check. If required set, correct, delete, clean or lubricate.

● = Service or replace.

* = If present.

** = If present, after 5 years, independent of the number of operating hours.

The maintenance intervals depend on the operating environment and are valid for cool, dry and clean ambient conditions. In adverse working conditions or high frequency load / unload switching, the maintenance intervals should be reduced by as much as 50%.

Date:	Technician Name:	Signature:
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