

Inspection Checklist – DC motors accordance with NEMA-MG 1 and IEC/EN

Inspection points at a standstill		Chapter	OK	Comment
Disconnection from the power supply confirmed		11		
Measurement of the insulation resistance of the exciting winding (min. 1 M Ω)		6.4		
Measurement of the insulation resistance of the rotor circuit (min. 1 M Ω)		6.4		
Motor alignment		6.6		
Electrical and mechanical connections firmly tightened		7.2		
Cleaning of cooling paths		10.2		
Checking of bearings		11.3.1		
Measurement of the collector temperature immediately after the inspection window has been opened		11.3.2		
Checking the condition of the collector, brush contact face, skin formation		11.3.2		
Inspection of the air gap between the holder and the collector		11.3.2		
Checking the condition of the carbon brushes		11.3.2		
Brush holders correctly aligned and fixed		11.3.2		
Easy movement of the brush pressure fingers		11.3.2		
Length inspection of the carbon brushes		11.3.2		
Checking for easy movement of the carbon brushes in the holders		11.3.2		
Cleaning of carbon dust from the motor		11.3.3		
Option	Filter change or cleaning	10.2		
Fat distribution run after long-term storage		5.2		
Operating hours				
Next recommended inspection date (<i>max. 12 months</i>):				
Other comments:				
Date:		Name:		Signature:

Stand 08.09.2020