

Foreword

Part 3: Lubrication and Maintenance Instructions for the Superstructure

For you,

This instruction manual is provided for the benefit of personnel carrying out maintenance work, and includes information required for maintenance and lubrication of the machine and all special equipment.



The information contained in this manual is correct with regard to the equipment at the time of publication. Data, diagrams and dimensions are subject to change as a result of technical development.

No liability can be accepted for damage resulting from incorrect maintenance.

In these lubrication and maintenance instructions you will find the titles or the respective symbols "Danger", "Caution" and "Note" used as follows:



DANGER!

"Danger" is used if a maintenance procedure, NOT performed according to the prescriptions given, may cause death or injury to persons.



CAUTION !

"Caution" is used if a maintenance procedure, NOT performed according to the instructions given, may cause damage to the crane or the crane equipment.



NOTE:

"Note" is used for identifying an important maintenance procedure as well as for additional information.

General Recommendations Regarding Lubrication and Maintenance Tasks

- Thoroughly clean all nipples, caps and plugs before greasing.
- Refill the fuel tank at the end of each working day, in order to prevent condensation.
- Renew the gaskets for drain, filler, inspection plugs and filters, before replacing the screws or filter.
- The oil can be drained more easily from individual units if it is drained at operating temperature.
- Ensure that the crane is kept clean at all times, i.e. free of flammable substances. In particular, the crane must be cleaned thoroughly following maintenance work on the hydraulic system, the engine or the fuel system. Cleaning is best carried out with a steam cleaner.
- After cleaning the crane, grease all lubricating points. When dry, spray the slew gear teeth with the recommended grease.
- Never carry out welding repairs without first consulting our Customer Service Department responsible for cranes. Repair work carried out incorrectly may cause serious damage, resulting in extensive repairs at considerable cost.



Please contact the Customer Service Department immediately if you discover cracks in the steelwork of your crane. Describe the course of the crack as closely as possible (enclose photograph, page from spare parts catalogue etc.).

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1.6 Repairs

A description of how repairs are undertaken is not given as part of these lubrication and maintenance instructions.
Consult our customer service department where necessary.

With regard to such work, however, we have included **some general** safety instructions below.

- Only undertake welding, combustion and grinding work on the crane if express approval has been granted (e.g. fires and explosions may occur).
- Before undertaking any welding, combustion or grinding work, clean the crane and its surroundings of dust and combustible material and ensure sufficient ventilation (explosions may occur).
- When undertaking work on the hydraulic system, the sections of the system which are to be opened must be de-pressurized before starting work.
- Do not make any alterations, additions or modifications to the crane which may affect its safety without obtaining approval from the manufacturer. This also applies when fitting and adjusting the safety equipment and valves and when welding load-bearing components.

1.8 Measures to Ensure Safe Operating Periods

1.8.1 General

In accordance with the accident prevention regulations for winches, lifting and dragging equipment (VBG 8), the crane operator is obliged to carry out an inspection of the crane at least once a year (also see ISO 9927-1).

The **spent share of the theoretical service life for the winches** must also be determined. The crane operator must employ a specialist for the purpose if necessary.



This regulation is legally binding within the scope of the accident prevention regulations of the trade association. Outside of this realm, the crane manufacturer recommends that the procedures listed are also observed.

Full Version Available

Demag AC 350 All Terrain Crane Maintenance Manual

Demag AC 350 all terrain crane maintenance manual covering schedules, lubrication, fuels, lubricants and inspections. 2 manuals, 464 pages.

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