

# Taking a new rig into use



### **WARNING**



#### **IGNORING INSTRUCTIONS HAZARD!**

To avoid death or injury you **MUST** read, understand and follow operator's and maintenance manuals before installing, inspecting, operating, servicing, testing, cleaning, transporting, storing, dismantling or disposing of the product or a part or accessory of the product. Keep this publication for future reference.

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# 1 INTRODUCTION

## 1.1 The Purpose of these instructions

This manual contains supplementary information for operation, maintenance and repair of a component.

Before operating, or performing maintenance or repair procedures for the component or system described in this manual, read and understand the information in operator's and maintenance manuals supplied with the machine. Pay special attention to the safety information in chapter "2 Safety and environmental instructions" of those manuals.

### 1.1.1 Validity of the manuals

This manual, and especially the safety information, is valid only if no unauthorized changes to the product are made.

Continuing improvement and advancement of product design might have caused changes to your product which are not included in this publication. Note also that if a third party has made changes to the product after delivery from the manufacturer, this publication does not include information on these changes or their influences on the product.

Whenever a question arises regarding your product, or this manual, please consult your local Sandvik representative for the latest available information.

## 1.2 Preface, warranty and start up

### Preface

The purpose of this instruction is to give some advices needed when taking a new rig into use.

### Warranty

Sandvik gives the warranty on the rig according to warranty clauses of Sandvik.

The filling of warranty clauses requires that:

- The machine is operated and serviced according to the instructions which are given in the Sandvik manuals.
- The machine is serviced by trained maintenance personnel.
- The recommended lubrications and fuel instructions are followed.
- Only original spare parts are used.

### Start up

The form of Start-up is in the appendix. The guarantee of the rig begins when the form of start-up has been filled and has been returned to Sandvik.

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## 2 ASSEMBLING AND INSPECTING A NEW RIG

### 2.1 Assembling



See general safety instructions

If the rig was delivered in components or disassembled, observe the following points:

1. Use a proper assembly site (clean, good lighting, good hoisting equipment, etc.)
2. Check that the delivery contains all components.
3. Install all bolts and connections carefully.
4. Observe cleanliness when connecting hydraulic hoses (prevent dirt from entering the hydraulic system).
5. Wash the rig before taking it into use.
6. Lubricate all greasing points.

### 2.2 Visual inspection

Check that all components and devices are in proper condition. Make especially sure that:

- All safety devices are in working order.
- No transport damage has been ignored (check hoses for squeezing and bending).
- All electric cables are intact.

### 2.3 Check fuel level and oil levels with the rig in horizontal position

1. Check fuel level in the fuel gauge.
2. Check that the compressor oil level in the air/oil receiver is between the min. and max. marks.
3. Check hydraulic oil level (sight glass on side of tank).
4. Check that the engine oil level is between the min. and max. marks on the dipstick.
5. Check the oil level in the feed gear.
6. Check the oil level in the drive gears.
7. Check the oil level in the shank lubricator.
8. Check the engine coolant level.
9. Check the transfer gear box oil level.
10. Check the accumulator level.

### 2.4 Rock drill

Pressurize the rock drill's accumulators as instructed.



**Service of the pressure accumulators is only allowed to persons specially trained for this. The repair instructions for hydraulic rock drill pressure accumulators must be followed precisely; ignoring the instructions may cause risk of accidents.**

### 2.5 Before starting powerpack

1. Make sure that no service work is being carried out.
2. Make sure that there are no unauthorized persons near the rig.
3. Check that the hydraulic system control levers are in the middle position, and that the emergency stop buttons are up.
4. Start the engine with the ignition key.

### 2.6 Checking rig's functions

Pay special attention to:

1. Operation of emergency stop buttons.
2. Trimming and brakes.
3. Engine functions (temperature, oil pressure, charging).
4. Movement functions (feed, fast feed, boom movements, rod changer).
5. Operation of rock drill (percussion, half and full power, rotation).
6. Possible leaks (tighten hoses and connections as necessary).





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