

# Installation record for DF10 **NOX** Tiltrotators

Please send back completely filled to [info@kinshofer.com](mailto:info@kinshofer.com) or by Fax +49 (0)8021 8899 37 within 30 days after initial operation!

**Only from then on, warranty claims can be dealt with!**

Kinshofer GmbH, Raiffeisenstrasse 12, 83607 Holzkirchen, Germany - for further queries please call +49 (0)8021 8899 0

First installation

Installation after maintenance / repair

**Carrier machine:**

Manufacturer:

Year of construction:

Type:

Serial no.:

**NOX Tiltrotator:**

Type:

Serial no.:

Year of construction:

**Installation:**

| 1             | Mount NOX to carrier machine: (pin on or couple quick quick coupler) <span style="float: right;"><input type="checkbox"/></span>   |                          |                         |                      |                     |          |                             |                          |                         |         |                             |                          |                         |         |                               |                          |                         |         |                               |                          |                         |         |                               |                          |                         |         |                                 |                          |                         |             |           |                      |                     |      |              |              |            |  |  |  |  |
|---------------|--|--------------------------|-------------------------|----------------------|---------------------|----------|-----------------------------|--------------------------|-------------------------|---------|-----------------------------|--------------------------|-------------------------|---------|-------------------------------|--------------------------|-------------------------|---------|-------------------------------|--------------------------|-------------------------|---------|-------------------------------|--------------------------|-------------------------|---------|---------------------------------|--------------------------|-------------------------|-------------|-----------|----------------------|---------------------|------|--------------|--------------|------------|--|--|--|--|
| 2             | Connect all hoses correctly: (overview and terms can be found in the manual) <span style="float: right;"><input type="checkbox"/></span>   |                          |                         |                      |                     |          |                             |                          |                         |         |                             |                          |                         |         |                               |                          |                         |         |                               |                          |                         |         |                               |                          |                         |         |                                 |                          |                         |             |           |                      |                     |      |              |              |            |  |  |  |  |
| 3             | Hydraulic connections (tubing, bolting and hoses must not limit the oil flow):<br>(sizes can be found in the manual) <span style="float: right;"><input type="checkbox"/></span>   |                          |                         |                      |                     |          |                             |                          |                         |         |                             |                          |                         |         |                               |                          |                         |         |                               |                          |                         |         |                               |                          |                         |         |                                 |                          |                         |             |           |                      |                     |      |              |              |            |  |  |  |  |
| 4             | Set up hydraulic circuit correctly at the carrier machine: (note values in table „real value“!)<br><table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr style="background-color: #cccccc;"> <th style="width: 20%;">Index values:</th> <th style="width: 25%;">Rotate / tilt:</th> <th style="width: 25%;">Additional function:</th> <th style="width: 30%;">Operating pressure:</th> </tr> </thead> <tbody> <tr style="background-color: #ffcccc;"> <td>TR045NOX</td> <td>15 / 32 l/min / 4 / 8.5 GPM</td> <td>max. 40 l/min / 10.7 GPM</td> <td>max. 210 bar / 3045 psi</td> </tr> <tr> <td>TR07NOX</td> <td>15 / 32 l/min / 4 / 8.5 GPM</td> <td>max. 70 l/min / 18.7 GPM</td> <td>max. 250 bar / 3650 psi</td> </tr> <tr> <td>TR11NOX</td> <td>21 / 32 l/min / 5.6 / 8.5 GPM</td> <td>max. 70 l/min / 18.7 GPM</td> <td>max. 270 bar / 3900 psi</td> </tr> <tr> <td>TR14NOX</td> <td>40 / 45 l/min / 10.7 / 12 GPM</td> <td>max. 70 l/min / 18.7 GPM</td> <td>max. 300 bar / 4350 psi</td> </tr> <tr> <td>TR19NOX</td> <td>60 / 50 l/min / 16 / 13.3 GPM</td> <td>max. 70 l/min / 18.7 GPM</td> <td>max. 300 bar / 4350 psi</td> </tr> <tr> <td>TR25NOX</td> <td>70 / 70 l/min / 18.7 / 18.7 GPM</td> <td>max. 70 l/min / 18.7 GPM</td> <td>max. 300 bar / 4350 psi</td> </tr> <tr style="background-color: #cccccc;"> <th>Real value:</th> <th>Oil flow:</th> <th>Additional function:</th> <th>Operating pressure:</th> </tr> <tr> <td>NOX:</td> <td>l/min / GPM:</td> <td>l/min / GPM:</td> <td>bar / psi:</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> | Index values:            | Rotate / tilt:          | Additional function: | Operating pressure: | TR045NOX | 15 / 32 l/min / 4 / 8.5 GPM | max. 40 l/min / 10.7 GPM | max. 210 bar / 3045 psi | TR07NOX | 15 / 32 l/min / 4 / 8.5 GPM | max. 70 l/min / 18.7 GPM | max. 250 bar / 3650 psi | TR11NOX | 21 / 32 l/min / 5.6 / 8.5 GPM | max. 70 l/min / 18.7 GPM | max. 270 bar / 3900 psi | TR14NOX | 40 / 45 l/min / 10.7 / 12 GPM | max. 70 l/min / 18.7 GPM | max. 300 bar / 4350 psi | TR19NOX | 60 / 50 l/min / 16 / 13.3 GPM | max. 70 l/min / 18.7 GPM | max. 300 bar / 4350 psi | TR25NOX | 70 / 70 l/min / 18.7 / 18.7 GPM | max. 70 l/min / 18.7 GPM | max. 300 bar / 4350 psi | Real value: | Oil flow: | Additional function: | Operating pressure: | NOX: | l/min / GPM: | l/min / GPM: | bar / psi: |  |  |  |  |
| Index values: | Rotate / tilt:   | Additional function:     | Operating pressure:     |                      |                     |          |                             |                          |                         |         |                             |                          |                         |         |                               |                          |                         |         |                               |                          |                         |         |                               |                          |                         |         |                                 |                          |                         |             |           |                      |                     |      |              |              |            |  |  |  |  |
| TR045NOX      | 15 / 32 l/min / 4 / 8.5 GPM  | max. 40 l/min / 10.7 GPM | max. 210 bar / 3045 psi |                      |                     |          |                             |                          |                         |         |                             |                          |                         |         |                               |                          |                         |         |                               |                          |                         |         |                               |                          |                         |         |                                 |                          |                         |             |           |                      |                     |      |              |              |            |  |  |  |  |
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| Real value:   | Oil flow:  | Additional function:     | Operating pressure:     |                      |                     |          |                             |                          |                         |         |                             |                          |                         |         |                               |                          |                         |         |                               |                          |                         |         |                               |                          |                         |         |                                 |                          |                         |             |           |                      |                     |      |              |              |            |  |  |  |  |
| NOX:          | l/min / GPM:   | l/min / GPM:             | bar / psi:              |                      |                     |          |                             |                          |                         |         |                             |                          |                         |         |                               |                          |                         |         |                               |                          |                         |         |                               |                          |                         |         |                                 |                          |                         |             |           |                      |                     |      |              |              |            |  |  |  |  |
|               |  |                          |                         |                      |                     |          |                             |                          |                         |         |                             |                          |                         |         |                               |                          |                         |         |                               |                          |                         |         |                               |                          |                         |         |                                 |                          |                         |             |           |                      |                     |      |              |              |            |  |  |  |  |
| 5             | NOX function test: index value: turn 8 - 10 RPM      tilt 4 - 6 sec. (limit stop to limit stop)<br>Real value: turn <input type="text"/> RPM      tilt <input type="text"/> sec. (limit stop to limit stop)  |                          |                         |                      |                     |          |                             |                          |                         |         |                             |                          |                         |         |                               |                          |                         |         |                               |                          |                         |         |                               |                          |                         |         |                                 |                          |                         |             |           |                      |                     |      |              |              |            |  |  |  |  |
| 6             | Check complete installation: (hosing, performance, etc.)      OK <input type="checkbox"/> not OK <input type="checkbox"/>  |                          |                         |                      |                     |          |                             |                          |                         |         |                             |                          |                         |         |                               |                          |                         |         |                               |                          |                         |         |                               |                          |                         |         |                                 |                          |                         |             |           |                      |                     |      |              |              |            |  |  |  |  |
| 7             | Installation according to Kinshofer standard: (see installation instruction) yes <input type="checkbox"/> no <input type="checkbox"/><br>Reason: <input type="text"/>  |                          |                         |                      |                     |          |                             |                          |                         |         |                             |                          |                         |         |                               |                          |                         |         |                               |                          |                         |         |                               |                          |                         |         |                                 |                          |                         |             |           |                      |                     |      |              |              |            |  |  |  |  |
| 8             | Training of operator or dealer      yes <input type="checkbox"/> no <input type="checkbox"/><br>Reason: <input type="text"/>   |                          |                         |                      |                     |          |                             |                          |                         |         |                             |                          |                         |         |                               |                          |                         |         |                               |                          |                         |         |                               |                          |                         |         |                                 |                          |                         |             |           |                      |                     |      |              |              |            |  |  |  |  |
| 9             | Note: (installation point feeder, installation point control device, electric taking of control, special solutions, etc.)<br><div style="border: 1px solid black; height: 80px; margin-top: 5px;"></div>   |                          |                         |                      |                     |          |                             |                          |                         |         |                             |                          |                         |         |                               |                          |                         |         |                               |                          |                         |         |                               |                          |                         |         |                                 |                          |                         |             |           |                      |                     |      |              |              |            |  |  |  |  |

Place and date of installation

Installer - name and signature

Client - name and signature