

Before working on the rotary joints make sure to follow the security procedures imposed by current regulations. Read the instructions carefully before performing maintenance. Refer to the assembly drawings and / or consult Turian company or one of its authorized distributors. Make sure that the circuit is not pressurized and discharge any residual pressure. Wait until joint is cool. Use appropriate gloves.

ORDINARY MAINTENANCE

Do lubrication periodically as attached **table 1** with relative quantity of grease OKS 432 or compatible as indicated in the **table 2** only for rotary joints with greaser. Perform daily a visual check of eventual leakage that may occur from the connections, if any, stop the operation of the machine and eliminate leakage; if the rotary joint leak, replace with a new one and proceed as follow for repairment after having required seal kit and a pair of bearings.

REMOVAL AND REPLACEMENT OF BEARING AND SEALS

REMOVAL

Remember to use latex gloves when handling components lubricated.

- First remove any elbows siphons present 18-19-20
- Remove the snap ring 6
- Remove the rotor 1 with bearings 7 by using appropriate tools (education available on request)
- Remove the rotary seal 11 and the O-ring 9 from the seat
- Remove the snap ring 10 and slide bearings 7 and 8 relative spacer

- Remove from the body 2 the stationary floating seal 12 with O-ring 13 and relative springs 14.

- Thoroughly clean and dry both body 2 and rotor 1

REPLACEMENT

- Check that the O-ring 13 in the body 2 seat is smooth and without damage (cylindrical section positioned between radial entry and home anti-rotation pin 16)
- Lubricate with silicone grease housing hole of the stationary seal 12 in the body 2
- Insert in the holes the springs 14
- Insert the stationary seal 12 with O-Ring 13, making sure that the notch on the outside diameter is engaged by the anti-rotation pin 16
- On the rotor 1 mount the first bearing 7 with the closed side facing the thread up to the stop, place the spacer 8 mount second bearing 7 with open side facing the first bearing
- Fit the snap ring 10
- Then mount the O-ring 9 in its rotor seat and lubricate it with silicone grease
- Then insert the rotating seal 11 by placing the notch on the outside diameter is engaged by the anti-rotation pin 16
- Wipe with a clean damp cloth with acetone flat the surfaces of the rotating seal 11 and the stationary 12
- Then insert the rotor 1 in the body 2 in the vertical direction, applying a slight axial pressure on the rotor until it is brought in such a position as to uncover the circular groove for snap ring 6
- Install the snap ring 6
- Test it before putting it into service.

REMOVAL AND REPAIR INSTRUCTIONS

GR 32÷50

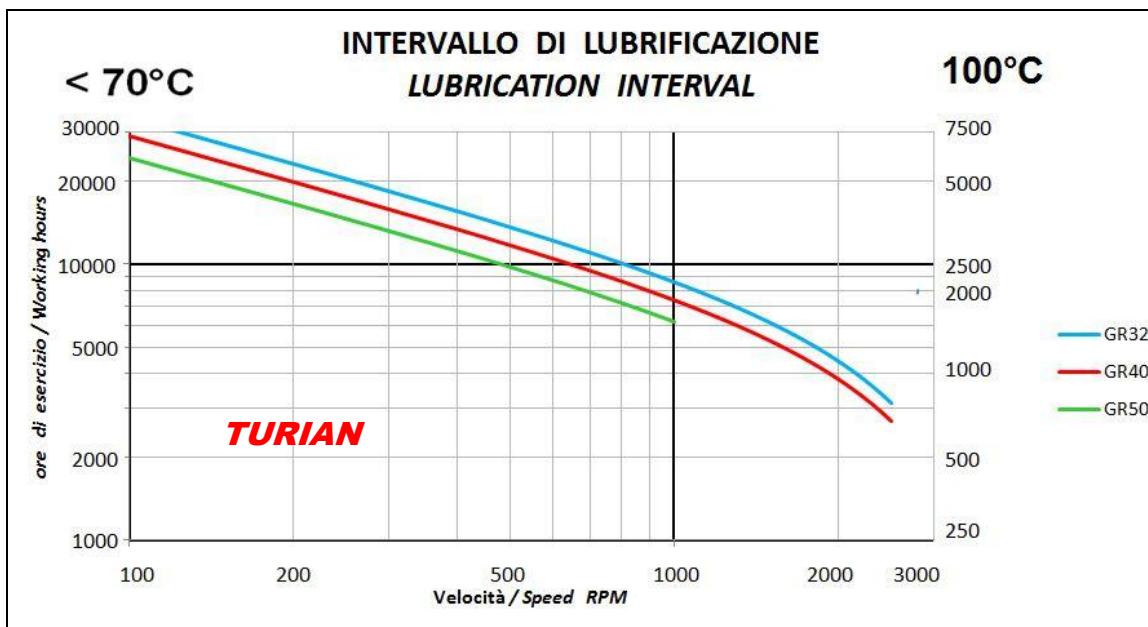


TABLE 1 - Working temperature up to 100°C

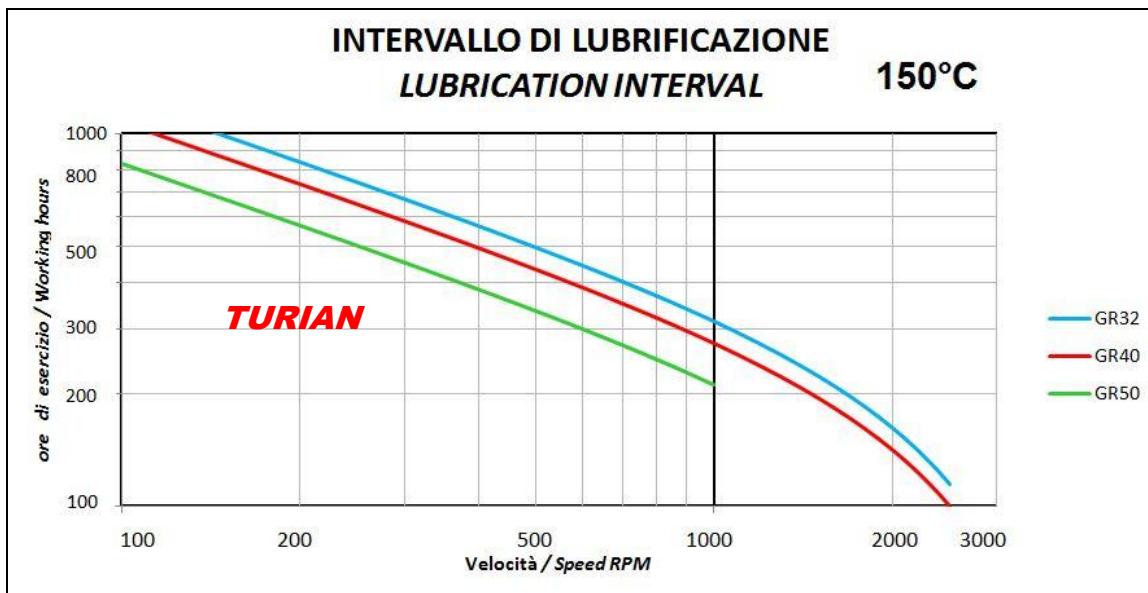


TABLE 1 - Working temperature up to 150°C

modello <i>type</i>	Quantità di grasso per lubrificazione periodica <i>Grease quantity for lubrication interval cm³</i>
GR-08	1,1
GR-10	1,1
GR-15	1,7
GR-20	2,4
GR-25	3,3
GR-32	8,2
GR-40	8,4
GR-50	26

TABELLA 2 - Grease amount to re-lubricate