

Replacing the cylinder seals

- 1-Extract the scraper holder (**REP 1**) with a screwdriver.
- 2-Retract the 1 mm stop ring (**REP 4**), tapping lightly with a mallet on a pin punch, being careful not to scratch the rod.
- 3-Remove the snap ring (**REP 3**) with a screwdriver or a needle.
- 4-Block the bottom of the cylinder body in a vice.
- 5-Pull on the rod (**REP 8**). The rod-piston assembly comes out. (Be careful, the fluid may escape)
- 6-Remove the piston (**REP 10**) from the rod.
- 7-Clean all the parts, making sure that all the grooves are clean.
- 8-Change the seals :
 - Scraper (**REP 2**)
 - Rod-guide Quadring (**REP 5**)
 - Guide-cylinder O-Ring (**REP 6**)
 - Piston-rod O-Ring (**REP 9**)
 - Piston-cylinder Quadring (**REP 11**)
- 9-Refit the piston on the rod :
 - glue it if it is tapped, otherwise,
 - put glue on the nut and tighten it gradually to obtain minimum space between the piston and the cylinder.
- 10-Make sure that the piston-cylinder quadring (**REP 11**) is not twisted.
- 11-Also check the rod-guide quadring (**REP 5**). Coat the quadring with the installation fluid.
- 12-Reassemble the piston-rod assembly in the cylinder body.
- 13-Insert the guide (**REP 7**) and the stop ring (**REP 4**) until you can insert the stainless steel snap ring (**REP 3**). (They will come-back into place after pressurization).
- 14-Refit the scraper holder (**REP 1**).
- 15-Bleed the cylinder before final installation.

