

13.3) Checking of the lubrication system

To control the proper function of the lubrication system the following readings have to be taken on the running engine as part of the test/qualification procedure.

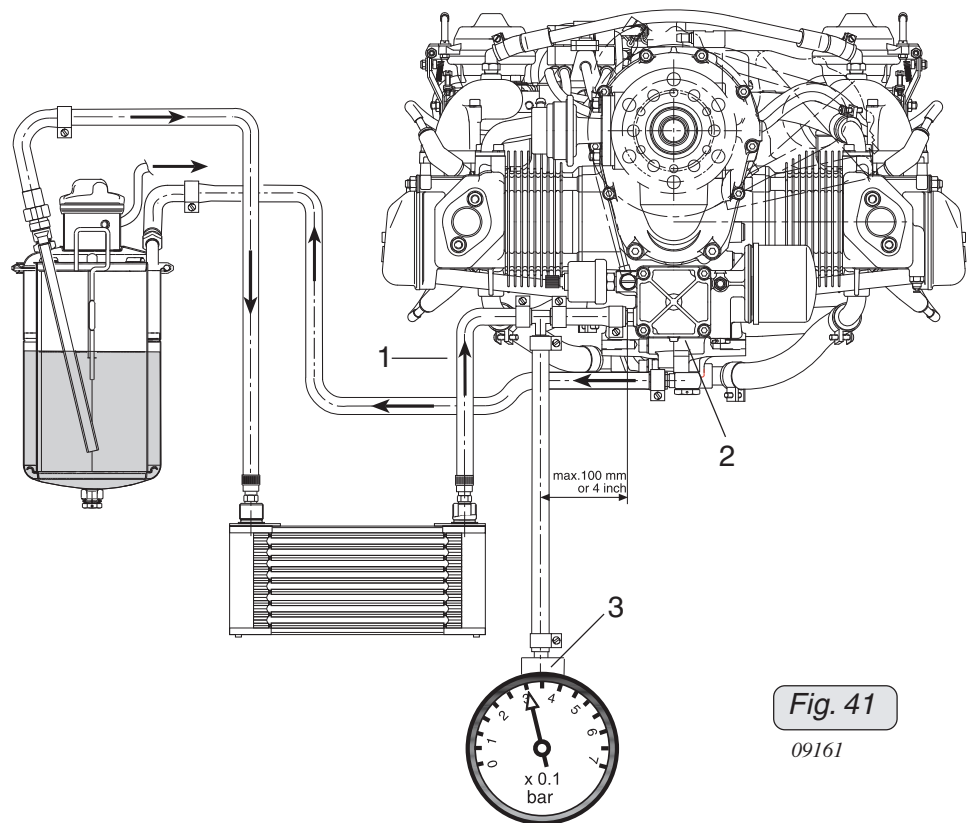
◆ **NOTE:** The required pressure gauges and connection parts are not included in the BRP-Powertrain engine delivery.

13.3.1) Measuring of the vacuum

Measuring of vacuum in the oil suction line (1) (line from oil tank to oil pump via oil cooler) at a max. distance of 100 mm (4 in) from pump inlet (2).

At take-off performance the indicated vacuum (3) must not be more than 0,3 bar (4.35 psi) otherwise the oil hose (1) could collapse and thus blocking the oil supply to the engine (Fig. 41).

▲ **WARNING:** The vacuum (3) must be verified over the total range of engine operation. Specially on cold oil temperature the flow resistance increases, so that not enough oil can flow on suction side.



max. 0.3 bar (4.35 psi) below atmospheric pressure