

Title (en)
ARRANGEMENT IN AN OIL FILTER

Title (de)
ÖLFILTERANORDNUNG

Title (fr)
AGENCEMENT DE FILTRE A HUILE

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Application
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Abstract (en)
[origin: WO9944716A1] The invention relates to an arrangement in an oil filter (1) for a machine with a centralised lubrication system, for example an internal combustion engine. The oil filter comprises a cylindrical container (1a) containing a filter material (2). One end (1b) of the container has a peripheral seal (1b1), a central, threaded sleeve (1b2) serving as outlet for oil that has passed through the oil filter, and inlet openings (1b3) situated between the sleeve (1b2) and the seal (1b1) for oil that is to be filtered. When the filter (1) is fitted to the machine it forms part of the machine lubrication system. Connected to the inlet and outlet of the oil filter is a non-return valve, designed to retain the oil in the container (1a) when the oil pressure is cancelled, together with an overflow valve designed to open and allow at least some of the incoming oil to bypass the filter material (2) when the fall in pressure over the said material exceeds a predetermined pressure value. When changing the filter material, the other end serves as an openable/closeable cover. The non-return valve is designed to be acted upon by the force of a spring, prevailing when the cover (1c) is closed, to maintain its non-return valve function and to open when the spring force is cancelled as a result of the cover (1c) being opened.

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