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(73) Patentee: Scania CV AB, , 151 87 Södertälje SE  
 (72) Inventor: Per ARNELÖF, Vendelsö SE  
 Jörgen FORSBERG, Hägersten SE  
 (74) Agent: BJERKÉNS PATENTBYRÅ KB, Box 5366, 102 49, Stockholm SE  
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 (57) Abstract:

The present invention relates to a lubrication system and a method for controlling the lubrication system. The lubrication system comprises a bypass line (25d) by which it is possible to lead a part of the oil flow in the oil line (25) past a component (18a, 18b, 18c, 22a) to be lubricated and back to the oil sump (24), a first valve (30) configured to regulate the oil flow through the bypass line (25d) and a control unit (34). The control unit is configured to receive information from at least one parameter (37-40) related to the oil flow to said component (18a, 18b, 18c, 22a), to estimate a required oil flow to said component (18a, 18b, 18c, 22a) in view of said parameter and to regulate the first valve (30) such that a part of the oil flow in the oil line (25) is led to the bypass line (25d) and that a remaining part of the oil flow, which corresponds to the required oil flow, is led to said component (18a, 18b, 18c, 22a).

