

Title (en)  
HYDRAULIC SYSTEM WITH RETURN LINE SUCTION AND BOOST FILTER

Title (de)  
HYDRAULIKSYSTEM MIT SAUG-RÜCKLAUFFILTER

Title (fr)  
SYSTÈME HYDRAULIQUE À FILTRE DE RETOUR ET ASPIRATION

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Application  
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Abstract (en)  
[origin: WO2013045167A2] The invention relates to a hydraulic system, preferably for piloting and actuating a two-cylinder thick matter pump. The hydraulic system comprises a tank (68) for receiving hydraulic oil, a primary circuit having at least one hydraulic consumer (AH, MH) which has at least one primary pump (36, 38, 61, 70), which is loaded with hydraulic oil via a first suction line (42), and is connected on the outlet side to at least one first return line, and which has a suction/return filter (40) which communicates with the first suction line (42) on the outlet side and is loaded on the inlet side with return oil from the at least one return line. A special feature of the invention consists in that the first suction line (42) communicates with the tank (68) via a separate replenishing suction line (86) and a suction filter (66), wherein a replenishing suction valve (88) which is preloaded in the direction of the suction filter (66) is arranged in the replenishing suction line (86).

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