

Title (en)

SYSTEM AND METHOD FOR DETERMINING AN AIR CONTENT, AIR RELEASE ABILITY AND FOR FOAM FORMING ON OIL SURFACES

Title (de)

VORRICHTUNG UND VERFAHREN ZUR BESTIMMUNG DES LUFTGEHALTS, DES LUFTABSCHIEDEVERHALTENS UND DER OBERFLÄCHENSCHAUMBILDUNG VON ÖLEN

Title (fr)

SYSTEME ET PROCEDE POUR DETERMINER LA TENEUR EN AIR, L'APTITUDE AU DEGAGEMENT D'AIR ET LA FORMATION DE MOUSSE A LA SURFACE D'HUILES

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Application

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Abstract (en)

[origin: WO2004038386A2] The invention relates to a system (1) for determining air content, air release ability and for forming foam on oil surfaces, in particular gear oil. The inventive system (1) comprises an air-oil mixing device (2), a differential pressure gauge (3), a supply unit (4) for conveying the oil through the conduits (5) of the air-oil mixing device (2), a compressed air supply (6) which supplies air in the conduits (5) of the air-oil mixing device (2) and a Venturi tube (9) arranged in one of conduits (5). Said differential pressure gauge (3) measures the differential pressures in the oil with the aid of at least two holes (7, 8) which are arranged in the Venturi tube (9) at a distance with respect to each other in the direction of the oil conveyance.

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