

AXIAL BEARING FLY-HEIGHT MEASUREMENT TO DETECT OIL DEFICIENCY

ABSTRACT

The method for determining the sufficiency of fluid in a hydrodynamic fluid bearing motor (12) involves making a first determination of a range of fluid bearing fly-heights for motors (12) having a sufficient quantity of fluid within the hydrodynamic fluid bearing, and for motors (12) having an insufficient quantity of fluid within the hydrodynamic fluid bearing. Thereafter, the fly-height of a particular hydrodynamic fluid bearing motor (12) can be determined and compared with the range of hydrodynamic fluid bearing fly-heights to provide a determination of the sufficiency of fluid within the particular hydrodynamic fluid bearing motor (12).

FIG.1

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