

ABSTRACT OF THE DISCLOSURE

SCREW COMPRESSOR

A screw compressor [1] is disclosed wherein a pair of rotor shafts [5,6] are disposed horizontally and an oil sump [25,26] is formed at the bottom of a bearing casing [21,22] which accommodates bearings [14,15,17,18] for supporting the rotor shafts [5,6], a bearing lower portion being soaked into oil present in the oil sump [25,26] for lubrication. The screw compressor [1] comprises a chamber [40] provided separately from the bearing casing [21,22], an oil line [43] for communication between the oil sump [25,26] in the bearing casing [21,22] and the chamber [40] and oil level detecting means [42] disposed in the chamber [40]. According to this structure, the oil level in the bearing casing [21,22] can be checked accurately and there is no fear of oil shortage in the bearings [14,15,17,18].

Figure 1