

【ABSTRACT】

Disclosed is a method of discharging lubricant oil from a BOG reliquefaction system configured to reliquefy BOG by compressing the BOG by a compressor, cooling the compressed BOG through heat exchange with non-compressed BOG by a heat exchanger, and reducing a pressure of fluid cooled through heat exchange by a pressure reducer. In the lubricant oil discharge method, the compressor comprises at least one oil-lubrication type cylinder and it is determined that it is time to discharge condensed or solidified lubricant oil, if a lower value between a temperature difference between the BOG upstream of the heat exchanger to be used as a refrigerant in the heat exchanger and the BOG compressed by the compressor and cooled by the heat exchanger (hereinafter referred to as "temperature difference of a cold flow") and a temperature difference between the BOG used as the refrigerant in the heat exchanger and the BOG compressed by the compressor and sent to the heat exchanger (hereinafter referred to as "temperature difference of a hot flow") is a first preset value or more and continues for a predetermined period of time or more, or if a pressure difference between the BOG compressed by the compressor and sent to the heat exchanger at a location upstream of the heat exchanger and the BOG cooled by the heat exchanger at a location downstream of the heat exchanger (hereinafter referred to as "pressure difference of a hot fluid channel") is a second preset value or more and continues for a predetermined period of time or more.

Fig. 2