

類 科：輪機技術

科 目：輔機

考試時間：2小時

座號：_____

※注意：(一)禁止使用電子計算器。

(二)不必抄題，作答時請將試題題號及答案依照順序寫在試卷上，於本試題上作答者，不予計分。

- 一、齒輪泵起動後不排液或排液量不足，可能的原因為何？（20分）
- 二、試述船用往復式空壓機操作管理應注意事項為何？（20分）
- 三、試述真空沸騰式造水機產生淡水含鹽量過高的可能原因及應採取何種改善措施？（20分）
- 四、壓縮式冷凍系統使用中，如果系統內含有空氣或水分時，有何不良影響？應如何排除？（20分）
- 五、請將下列英文譯成中文：（20分）

The oil to be cleaned is continuously fed to the purifier. Separated sludge and water accumulate at the periphery of the bowl. Normally a sludge discharge takes place at specific time intervals, but if the water contamination is high, an earlier discharge may be initiated. When separated water reaches the disk stack, some water escapes with the cleaned oil. The increase in water content is sensed by a water transducer installed in the clean oil outlet. When the water content in the cleaned oil reaches a specific "trigger level", the control program will initiate an automatic discharge of the water in the bowl. The water is discharged with the sludge through the sludge ports at the periphery of the bowl.