{{room}}機房{{kw}}Kw引擎發電機運轉紀錄表 ＿年＿月＿日

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 開機原因：{{reason}} | | | | | | | | | | | | | | | | | | | |
| 測試時間：{{time\_range}} | | | | | | | | | | | 本次運轉時數：{{hours\_minutes}} | | | | | | | | |
| 一、開機前檢查 | 潤滑油面(目視) | | | {{oil\_level}} | | | | | | | | 是否漏油漏水(目視)：{{leak}} | | | | | | | |
| 燃油存量  (POSS紀錄) | | | 日用油箱：{{daily\_tank}}公升 | | | | | | | | 地下油槽(測試前量高度)：{{underground\_before}} cm | | | | | | | |
| 地下油槽(測試後量高度)：{{underground\_after}}cm | | | | | | | |
| 冷卻水檢查(目視) | | | 散熱器水位：{{radiator}} | | | | | | | | 膨脹水箱：{{expansion\_tank}} | | | | | | | |
| 電池充電機(量測) | | | 浮充電壓：{{Float\_voltage}}V(DC) | | | | | | | | 浮充電流：{{Float\_ampere}}A | | | | | | | |
| 發電機檢查(目視) | | | 警報及指示燈： | | | {{alarm}} | | | | | 傳動皮帶檢查： | | | | | {{belt}} | | |
| 四週及基礎台有無雜物以防被吸入破壞線圈：{{clutter}} | | | | | | | | | | | | | | | |
| 啟動電池(量測) | 電池外表(目視) | | 是否清潔：{{battery\_clean}} | | | | | | | | 電池接頭有無鬆動：{{battery\_loose}} | | | | | | | |
| 電池容量 | | 鉛酸電池（{{acid\_ah}}AH×{{acid\_units}}只） | | | | | | | | 電池組電壓：{{sealed\_voltage}} V(DC) (12V電池：13~13.8V)  (24V電池：26~27.6V) | | | | | | | |
| 電池電壓  VDC | | 1：{{vdc1}}V | | 2：{{vdc2}}V | | 3：{{vdc3}}V | | | | 4：{{vdc4}}V | | 5： V | | | | 6： V | |
|  | | 7： V | | 8： V | | 9： V | | | | 10： V | | 11： V | | | | 12： V | |
| 二、油機運轉中檢查(儀表量測) | 油機啟動(目視) | | | 是否良好：{{starter\_ok}} | | | | | | | | 煙囪排氣顏色：{{exhaust\_color}} | | | | | | | |
| 輸 出(發電機多功能電錶) |  | | 空載 | 加 載 | | | | | | | | | | | | | | |
| 紀錄時間 | | {{no\_load\_time}} | {{load\_time\_1}} | | | | {{load\_time\_2}} | | | | {{load\_time\_3}} | | {{load\_time\_4}} | | | | {{load\_time\_5}} |
| 轉速(rpm) | | {{no\_load\_rpm}} | {{load\_rpm\_1}} | | | | {{load\_rpm\_2}} | | | | {{load\_rpm\_3}} | | {{load\_rpm\_4}} | | | | {{load\_rpm\_5}} |
| 頻率(Hz) | | {{no\_load\_hz}} | {{load\_hz\_1}} | | | | {{load\_hz\_2}} | | | | {{load\_hz\_3}} | | {{load\_hz\_4}} | | | | {{load\_hz\_5}} |
| 功率(kW) | | {{no\_load\_kw}} | {{load\_kw\_1}} | | | | {{load\_kw\_2}} | | | | {{load\_kw\_3}} | | {{load\_kw\_4}} | | | | {{load\_kw\_1}} |
| 電壓(V) | RS | {{no\_load\_voltage\_rs}} | {{load\_voltage\_rs\_1}} | | | | {{load\_voltage\_rs\_2}} | | | | {{load\_voltage\_rs\_3}} | | {{load\_voltage\_rs\_4}} | | | | {{load\_voltage\_rs\_5}} |
| ST | {{no\_load\_voltage\_st}} | {{load\_voltage\_st\_1}} | | | | {{load\_voltage\_st\_2}} | | | | {{load\_voltage\_st\_3}} | | {{load\_voltage\_st\_4}} | | | | {{load\_voltage\_st\_5}} |
| TR | {{no\_load\_voltage\_tr}} | {{load\_voltage\_tr\_1}} | | | | {{load\_voltage\_tr\_2}} | | | | {{load\_voltage\_tr\_3}} | | {{load\_voltage\_tr\_4}} | | | | {{load\_voltage\_tr\_5}} |
| 電流(A) | R | {{no\_load\_current\_r}} | {{load\_current\_r\_1}} | | | | {{load\_current\_r\_2}} | | | | {{load\_current\_r\_3}} | | {{load\_current\_r\_4}} | | | | {{load\_current\_r\_5}} |
| S | {{no\_load\_current\_s}} | {{load\_current\_s\_1}} | | | | {{load\_current\_s\_2}} | | | | {{load\_current\_s\_3}} | | {{load\_current\_s\_4}} | | | | {{load\_current\_s\_5}} |
| T | {{no\_load\_current\_t}} | {{load\_current\_t\_1}} | | | | {{load\_current\_t\_2}} | | | | {{load\_current\_t\_3}} | | {{load\_current\_t\_4}} | | | | {{load\_current\_t\_5}} |
| 潤滑油壓力  (kg/cm2或psi) | | | 開機後： | {{oil\_pressure\_start}} kg/cm2 | | | | | 20分鐘後：{{oil\_pressure\_20}} kg/cm2 | | | | | | | 異常噪音：(聽力判斷)  {{noise}} | | |
| 內循環冷卻水溫(℃) | | | 進：{{water\_in\_in}}℃；出{{water\_in\_out}}℃ | | | | | | 20分鐘後：進{{water\_in\_20}} ℃；出{{water\_out\_20}} ℃ | | | | | | |
| 冷卻水塔水壓 | | | 入：{{cooling\_in\_pressure}} kg/cm2 | | | | | | 出：{{cooling\_out\_pressure}} kg/cm2 | | | | | | |
| 積時器（hr) | | | 開機前：{{hour\_before}}hr | | | | | | 停機後：{{hour\_after}}hr | | | | | | |  | | |
| 三、停機後檢查(目視) | | | | 啟動開關位置：{{switch\_position}} | | | | | | | | | | | | | | | |
| 發電機是排煙機是否置於AUTO：{{auto\_exhaust}} | | | | | | | | | | | | 油路檢查：{{oil\_path}} | | | |
| 紀事欄 | 備註：( )內為檢查方法OMC:{{omc}} PMC:{{pmc}} 火災受信機測試{{fire\_test}}  檢查異常之改善措施：{{improvement}} | | | | | | | | | | | | | | | | | | |

檢查者： \_\_\_\_\_ 直接主管：\_\_\_\_\_

**(附件4)** {{room}}**機房發電機測試前/後檢查表**

測試日期︰

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 項次 | | 項目 | 檢查說明 | 檢查結果 |
| 測試前 | 1 | 測試前是否知會整棟機房各相關單位 | 1、列舉相關單位  2、測試日期、時間 | {{check\_before\_notify\_units}} |
| 2 | 測試前是否知會OMC專人監看 |  | OMC:{{omc}}  PMC:{{pmc}} |
| 3 | 測試前確認各SMR、UPS之蓄電池組功能正常 | 1、列舉各SMR、UPS蓄電池組  2、確認上月(次)測試，POSS/電池監測系統性能正常或已完成待改善事項。 | {{check\_before\_battery\_status}} |
| 測試後 | 4 | 測試後檢查各SMR、UPS之蓄電池組放電特性 | 1、查詢POSS/電池監測系統，比較各組電池放電電壓、電流是否異常  2、有問題之電池，應立即知會電力專責單位確認處理 | {{check\_after\_battery\_discharge}} |

備註︰發電機測試含交流配電盤高低壓設備定期檢驗。

檢查人： 直接主管： 單位主管：