**12 List of trippings 1.exhaust temp very high App›600 DEG in 2 thermocouples 2.surge protection trip at‹40mbar (2 out of 3) 3.lube oil PR V low pump Dis PR 3.3bar (2 out of 3) 4.Header line PR ‹ 1.3bar 5.hudraulic PR very low alarm‹125bar ,trip‹100bar 6.MOT level very low alarm‹305mm ,trip‹255mm 7.temp. comp. bearing alarm›90DEG,trip›120DEG 8.temp. thrust bearing alarm›90DEG,trip›120DEG 9.vib comp BRG alarm›9.4mm, trip›14.8mm 10.cold air temp high alarm›67DEG,trip›73DEG 11.Gen cold air temp low alarm‹7.0DEG,trip‹5.0DEG 12.Gen hot air temp alarm›95DEG 13.Gen slot temp alarm›120DEG 14.Lube oil temp high alarm›58DEG 15.Gen CW PR V low trip‹2.0 bar & Gen CW PR V high alarm › 3.5 bar 16.flame failure trip 17.Air inlet flape not open 2out of 3 18.Reverse power protection 19.under frequency (2850 rpm or 47.5** $s^{-1}$**) (three blow off valves open at the same time ). 20.over frequency 21.under voltage 22.over voltage 23.local panel push button actuated 24.emergency push button actuated 25.ESV manual close 26.fire protection trip 27.over speed protection trip (3240 rpm or 54** $s^{-1}$**) 28. Gen CW PR V high alarm › 3.5 bar**

**الاحداث خلال سرعات مختلفة :**

1. **Ignition ON at( 480 rpm or 8** $s^{-1}$ **)**
2. **Ignition OFF at( 2190 rpm or 36.5** $s^{-1}$ **)**
3. **SFC disconnected at ( 2100 rpm or 35** $s^{-1}$ **)**
4. **Speed controller from( 2850 rpm to 3090 rpm or 47.5** $s^{-1}$ **to 51.5** $s^{-1}$ **)**
5. **FO ESV OPEN ( 540 rpm or 9** $s^{-1}$ **)**
6. **Compressor washing ( 600 rpm or 10** $s^{-1}$**)عند غسيل الضاغط .**
7. **opening speed( for NG ESV MBP13AA051 )( 650 rpm or 10** $s^{-1}$**)**
8. **Turning gear operates at trbine trip ( 120 rpm or 2** $s^{-1}$**)**
9. **Lift oil pump operates at turbine trip(500 rpm or 8.3** $s^{-1}$ **)**

 **\*Change over from NG Premix Mode to Diffusion mode or Change over from Diffusion mode to Premix Mode يحدث عند درجة حرارة 510 (درجة حرارة التغيير)**

**خلال تشغيل الوحدة فى بداية التشغيل،فانblowoff valve MBA42AA051 (stage 10 )يكون مفتوح حتى سرعة( or 38** $s^{-1}$ **2280rpm )وبعدها يقفل الصمام فى السرعات العالية.**

**blowoff valves MBA41AA051 & MBA41AA052(stage 5 ) يكونان مفتوحان حتى سرعة 2940rpm or 49** $s^{-1}$**) )، وبعدها يقفل الصمامان فى السرعات العالية.**