

## Alternator Shut Down

Full operation to turning gear.

Procedure initiated by: \_\_\_\_\_ . 7/03

Before starting procedure, remove all check marks.

<input type="checkbox"/>	1. PLC/Local switch---Local	111
<input type="checkbox"/>	2. Speed #1---Select	111
<input type="checkbox"/>	3. 15 KV air switch---Open Check b	203
<input type="checkbox"/>	Air supply valve---Close and vent	289
<input type="checkbox"/>	Quick disconnect---Remove and lock	289
<input type="checkbox"/>	4. Log book---Run time, abnormalities, changes.	
<input type="checkbox"/>	5. C mod fault is activated from shut down---Reset alarm	202
<b>DO NOT PROCEED UNTIL MACHINE TRANSFERS BELOW 1260 RPM</b>		
<input type="checkbox"/>	6. During seasonal temps. of 40°F and below – Building fans can be shut off to conserve heat loss.	
<input type="checkbox"/>	7. Speed-O---Activate-(If below speed #1 )	
<input type="checkbox"/>	8. Drive stop button---Activate –Limit amp opens.	111
<input type="checkbox"/>	9. Key switch A---Off –Safe position, Remove key	112
<input type="checkbox"/>	10. Key switch B---Off—Safe position	111
<b>DO NOT PROCEED UNTIL MACHINE IS BELOW 800 RPM</b>		
<input type="checkbox"/>	11. Preheat for breaking---On	131
<input type="checkbox"/>	Assure gas temp. at cooler inlet does not exceed 150°	PLC
<input type="checkbox"/>	12. Helium gas house---Check and lock.	
<input type="checkbox"/>	Rear gate---Lock Check.	
<input type="checkbox"/>	Alternator rear door and side doors---Locked	
<b>DO NOT PROCEED UNTIL MACHINE IS BELOW 250 RPM</b>		
<input type="checkbox"/>	13. PLC alarm---Inhibit	PLC
<input type="checkbox"/>	14. Main vacuum pump---Off	202
<input type="checkbox"/>	15. Alternator DC seal oil SB switch---Lock Stop	105
<input type="checkbox"/>	16. Flywheel DC seal oil SB switch ---Lock Stop	450
<input type="checkbox"/>	17. Vacuum valve AV 41---Open	PT
<input type="checkbox"/>	Bleed vacuum below 2" HG -- then---Close Valve AV41	PT

<input type="checkbox"/>	18. Diet alarm drains---Check sight glasses	PT
<input type="checkbox"/>	19. Seal oil valve SO 20---Open Check	PT
<input type="checkbox"/>	20. Seal oil tank drain valves SO-74 & SO-73---Open	PT
<input type="checkbox"/>	21. Flywheel seal oil valve SO-97---Open	Above PT
<input type="checkbox"/>	22. Alternator vapor extractor valve SO-50---Close	
<input type="checkbox"/>	23. Low vacuum alarm---Reset	132
<input type="checkbox"/>	24. AC Seal oil pump---Off --(Reset alarm)	202
<input type="checkbox"/>	25. Seal oil tank drain pump---ON	202
<input type="checkbox"/>	26. Helium panel may alarm -- High level vacuum tank---Reset	132
<input type="checkbox"/>	27. At 200 RPM all lift pumps ---ON—Check	202
<input type="checkbox"/>	28. Cuno filter pump---ON—Check	202
<input type="checkbox"/>	29. DC Lube oil timers---Running—Check circuit to enable	511
<input type="checkbox"/>	30. City water valve CW 6---Close	Near 115
<input type="checkbox"/>	31. Walk through upper level	
<input type="checkbox"/>	<input type="checkbox"/> Vacuum valve on flywheel housing---Close.	
<input type="checkbox"/>	<input type="checkbox"/> Alternator gas cooling water blow down valve---Close.	
<input type="checkbox"/>	<input type="checkbox"/> Alternator, Motor and Flywheel lift pumps---Check Operation	
<input type="checkbox"/>	32. City water low pressure alarm---Acknowledge	203
<input type="checkbox"/>	33. Motor control center A&B.	
<input type="checkbox"/>	<input type="checkbox"/> Assure all breakers are set up for turning gear operation	
<input type="checkbox"/>	<input type="checkbox"/> Breakers---OFF	
<input type="checkbox"/>	<input type="checkbox"/> MCCA: A(2E) A(3E) A(3I) A(3J) A(4E)	
<input type="checkbox"/>	<input type="checkbox"/> MCCB: B(1G) B(3E) B(3G) B(3I) B(3K)	
<input type="checkbox"/>	<input type="checkbox"/> B(3E) Air exhaust fans may be left-ON-Above 85°outside Temp.	
<input type="checkbox"/>	<input type="checkbox"/> Breakers ---ON—MCCA: A(4B) A(4C). Alt. Heaters.---Check.	
<input type="checkbox"/>	34. Core monitor---Off	
<input type="checkbox"/>	35. Turning gear---Reset and ON—Check	202
<input type="checkbox"/>	36. 2000 HP. Motor blower---Off	202
<input type="checkbox"/>	37. Motor blower louver switch---Inside-(winter season)	202
<b>DO NOT PROCEED UNTIL MACHINE IS ---40-RPM</b>		
<input type="checkbox"/>	38. Lube oil pump SB switches # 2 and # 4---Run then auto start.	
<input type="checkbox"/>	<input type="checkbox"/> Assure pressure lights illuminate	203/443
<input type="checkbox"/>	39. Lube oil pump SB switches # 1 and # 3---Stop—then auto start.	
<input type="checkbox"/>	40. Preheat excitation---Off	131
<input type="checkbox"/>	41. Exciter power---Off	131
<input type="checkbox"/>	42. Exciter DC field breaker---Open	443
<input type="checkbox"/>	43. Exciter yard breaker ---Open	443

<input type="checkbox"/>	<b>44. River water pump---Off</b>	<b>202</b>
<input type="checkbox"/>	<b>45. City water running ---Check</b>	<b>202</b>
<input type="checkbox"/>	<b>46. Hot gas circulator---ON</b>	<b>202</b>
<input type="checkbox"/>	<b>47. Alternator water re-circulator---Off</b>	<b>202</b>
<input type="checkbox"/>	<b>48. Exciter cooling water pump---Off</b>	<b>202</b>
<input type="checkbox"/>	<b>49. Exciter breaker A(41)---Off</b>	<b>202</b>
<input type="checkbox"/>	<b>50. Call out system---Armed</b>	<b>203</b>
<input type="checkbox"/>	<b>51. PLC monitor---Off</b>	
<input type="checkbox"/>	<b>52. Alternator DC lube oil pump SB switch---Lock stop--reset</b>	<b>104</b>
<input type="checkbox"/>	<b>53. Flywheel DC lube oil pump SB switch---Lock stop—reset</b>	<b>499</b>
<input type="checkbox"/>	<b>54. Flywheel DC <u>seal</u> oil pump fused disconnect---Off</b>	<b>216C</b>
<input type="checkbox"/>	<b>55. Alternator DC <u>seal</u> oil pump fused disconnect---Off</b>	<b>216D</b>
<input type="checkbox"/>	<b>56. Helium gas cabinet DC fused disconnect---Off</b>	<b>216E</b>
<input type="checkbox"/>	<b>57. Exciter and protective relay cabinet fused disconnect---Off</b>	<b>216I</b>
<input type="checkbox"/>	<b>58. Alternator DC lube oil pump Breaker---Off</b>	<b>216F</b>
<input type="checkbox"/>	<b>59. Flywheel DC lube oil pump Breaker---Off</b>	<b>216G</b>
<input type="checkbox"/>	<b>60. Activate building security system (doors locked, lights out)</b>	