

**ALTERNATOR & FLYWHEEL LUBE OIL SYSTEM  
TESTING PROCEDURE  
BEARING OIL (AC) PUMP PRESSURE SWITCH**

**BSPS AC-AUTO START PRESSURE SWITCH CONTACTS**

- \_\_\_ 1. Lube oil pump # 2, SB Switch, Initiate ---Run position. Then auto start, assure indicator ON.
- \_\_\_ 2. Lube oil pump # 1, SB Switch, Initiate ---Lock stop position.
- \_\_\_ 3. Connect calibrated test gauge 0/100psi to BSPS test port valve. Slowly open test valve and record gauge pressure. \_\_\_\_\_
- \_\_\_ 4. Connect voltmeters to pressure switch 110volt terminals TBB (15) wire # 5212 and TBB (16) # 5213. also TBB/13 # 5223 and TBB/12 # 5222. Refer to drawing # 123-777 (26).
- \_\_\_ 5. Close supply valve to BSPS and test gauge trapping in the pressure.
- \_\_\_ 6. Slowly loosen gauge fitting bleeding off the trapped pressure from the switch. Record the pressure at which the switch activates. Opens \_\_\_\_\_ closes \_\_\_\_\_
- \_\_\_ 7. Close bleed off fitting. Open supply valve slowly. Record the pressure at which the switch activates. Opens \_\_\_\_\_ closes \_\_\_\_\_
- \_\_\_ 8. Mfg. required pressure settings. Closes 58psi, Opens at 59psi as drawing # 123-888 (08). If pressure difference is greater than-2psi from required, reset pressure switch and repeat test. Record final readings. Open \_\_\_\_\_ and closed \_\_\_\_\_
- \_\_\_ 9. Lube oil pump # 1, SB Switch, Initiate---Auto start position. Pump functional run test
- \_\_\_ 10. Repeat step # 5 and 6. Assure pump # 1 starts at final recorded pressure reading \_\_\_\_\_.
- \_\_\_ 11. Lube oil pump # 2, SB Switch, Initiate---Stop than return to auto start, pump should restart.
- \_\_\_ 12. Remove voltmeter and test gauge. Assure test port valve is closed and capped.
- \_\_\_ 13. **ASSURE SUPPLY VALVE TO BSPS SWITCH IS LEFT OPEN.**
- \_\_\_ 14. Lube oil pump # 2, SB Switch, Initiate---Stop then auto start. Pump should stay OFF.

INITIATED BY \_\_\_\_\_ DATE \_\_\_\_\_  
ASSURED BY \_\_\_\_\_ DATE \_\_\_\_\_

**FBSPS AC-AUTO START PRESSURE SWITCH CONTACTS**

- \_\_\_ 1. Lube oil pump # 3, SB Switch, Initiate ---Run position. Then auto start, assure indicator ON.
- \_\_\_ 2. Lube oil pump # 4, SB Switch, Initiate ---Lock stop position.
- \_\_\_ 3. Connect calibrated test gauge 0/100psi to FBSPS test port valve. Slowly open test valve then record gauge pressure. \_\_\_\_\_
- \_\_\_ 4. Connect voltmeters to pressure switch 110volt terminals TBI (15) and TBI (16) also TBI/17 and TBI/18. Refer to drawing # 123-777 (207).
- \_\_\_ 5. Close supply valve to FBSPS and test gauge trapping in the pressure.
- \_\_\_ 6. Slowly loosen gauge fitting bleeding off the trapped pressure from the switch. Record the pressure at which the switch activates. Opens \_\_\_\_\_ closes \_\_\_\_\_
- \_\_\_ 7. Close bleed off fitting. Open supply valve slowly. Record the pressure at which the switch activates. Opens \_\_\_\_\_ closes \_\_\_\_\_
- \_\_\_ 8. Mfg. required pressure settings. Closes 58psi, Opens at 59psi as drawing # 123-888 (08). If pressure difference is greater than-2psi from required, reset pressure switch and repeat test. Record final readings. Open \_\_\_\_\_ and closed \_\_\_\_\_
- \_\_\_ 9. Lube oil pump # 4, SB Switch, Initiate---Auto start position. Pump functional run test
- \_\_\_ 10. Repeat step # 5 and 6. Assure pump # 4 starts at final recorded pressure reading \_\_\_\_\_.
- \_\_\_ 11. Lube oil pump # 3, SB Switch, Initiate---Stop than return to auto start, pump should restart.
- \_\_\_ 12. Remove voltmeter and test gauge. Assure test port valve is closed and capped.
- \_\_\_ 13. **ASSURE SUPPLY VALVE TO FBSPS SWITCH IS LEFT OPEN.**
- \_\_\_ 14. Lube oil pump # 3, SB Switch, Initiate---Stop then auto start. Pump should stay OFF.

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**ALTERNATOR & FLYWHEEL LUBE OIL SYSTEM  
TESTING PROCEDURE  
BEARING OIL (AC) PUMP PRESSURE SWITCH**

**BSPR 1. AC-LUBE OIL PUMP RUN PRESSURE SWITCH**

- \_\_\_ 1. Lube oil pump # 1 SB Switch, Initiate --- Run position. Then auto start, assure indicator ON.
- \_\_\_ 2. Lube oil pump # 2 SB Switch, Initiate --- Stop then return to auto start position.
- \_\_\_ 3. Connect calibrated test gauge 0 to 100psi to BSPR-1 test port valve. Slowly open test valve, and record gauge pressure. \_\_\_
- \_\_\_ 4. Connect voltmeter to pressure switch 110 volt terminals TBA /3 wire 401 and TBB /8 wire # 482. Refer to drawing # 123-777 (26).
- \_\_\_ 5. Close supply valve to BSPR-1 and test gauge trapping in the pressure.
- \_\_\_ 6. Slowly loosen gauge fitting bleeding off the trapped pressure from the switch. Record the pressure at which the switch activates. Opens \_\_\_ Close \_\_\_ Assure indicator light goes out. Location # 230
- \_\_\_ 7. Close bleed off fitting. Open supply valve slowly. Record the pressure at which the switch activates. Open \_\_\_ Close \_\_\_
- \_\_\_ 8. Mfg. recommended pressure setting. Open 34 Closed 40 as drawing # 123-888 (08). If pressure difference is greater than 3psi from recommended, reset pressure switch and repeat steps 5,6 and 7. Record final readings. Open \_\_\_ Close \_\_\_
- \_\_\_ 9. ASSURE SUPPLY VALVE TO BSPR # 1 SWITCH IS LEFT OPEN.

INITIATED BY \_\_\_\_\_ DATE \_\_\_\_\_  
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**BSPR 2. AC-LUBE OIL PUMP RUN PRESSURE SWITCH**

- \_\_\_ 1. Lube oil pump # 2 SB Switch, Initiate --- Run position. Then auto start, assure indicator ON.
- \_\_\_ 2. Lube oil pump # 1 SB Switch, Initiate --- Stop then return to auto start position.
- \_\_\_ 3. Connect calibrated test gauge 0 to 100psi to BSPR-2 test port valve. Slowly open test valve and record gauge pressure. \_\_\_
- \_\_\_ 4. Connect voltmeter to pressure switch 110 volt terminals TBA /3 wire # 401 and TBB /9 wire # 483. Refer to drawing # 123-777 (26).
- \_\_\_ 5. Close supply valve to BSPR-2 and test gauge trapping in the pressure.
- \_\_\_ 6. Slowly loosen gauge fitting bleeding off the trapped pressure from the switch. Record the pressure at which the switch activates. Opens \_\_\_ Closes \_\_\_ Assure indicator light goes out. Location # 203
- \_\_\_ 7. Close bleed off fitting. Open supply valve slowly. Record the pressure at which the switch activates. Open \_\_\_ Close \_\_\_
- \_\_\_ 8. Mfg. recommended pressure setting. Open 34 Closed 40 as drawing # 123-888 (08). If pressure difference is greater than 3psi from recommended, reset pressure switch and repeat steps 5,6 and 7. Record final readings. Open \_\_\_ Close \_\_\_
- \_\_\_ 9. ASSURE SUPPLY VALVE TO BSPR # 2 SWITCH IS LEFT OPEN.

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**ALTERNATOR & FLYWHEEL LUBE OIL SYSTEM  
TESTING PROCEDURE**

**FBSPR 3. AC-LUBE OIL PUMP RUN PRESSURE SWITCH**

- \_\_\_ 1. Lube oil pump # 3 SB Switch, Initiate --- Run position Assure indicator light is on.
- \_\_\_ 2. Lube oil pump # 4 SB Switch, Initiate --- Stop then return to auto start position.
- \_\_\_ 3. Connect calibrated test gauge 0 to 100psi to FBSPR-3 test port valve. Slowly open test valve and record gauge pressure. \_\_\_
- \_\_\_ 4. Connect voltmeter to pressure switch 110volt terminals TBI /1 and TBI /2 Refer to drawing # 123-777 (207).
- \_\_\_ 5. Close supply valve to FBSPR-3 and test gauge trapping in the pressure.
- \_\_\_ 6. Slowly loosen gauge fitting bleeding off the trapped pressure from the switch. Record the pressure at which the switch activates. Opens \_\_\_ Closes \_\_\_ Assure indicator light goes out. Location # 203
- \_\_\_ 7. Close bleed off fitting. Open supply valve slowly. Record the pressure at which the switch activates. Open \_\_\_ Close \_\_\_
- \_\_\_ 8. Mfg. recommended pressure setting. Open 34 Closed 40 as drawing # 123-888 (08). If pressure difference is greater than 3psi from recommended, reset pressure switch and repeat steps 5,6 and 7. Record final readings. Open \_\_\_ Close \_\_\_
- \_\_\_ 9. ASSURE SUPPLY VALVE TO FBSPR # 3 SWITCH IS LEFT OPEN.

INITIATED BY \_\_\_\_\_ DATE \_\_\_\_\_  
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**FBSPR 4. AC-LUBE OIL PUMP RUN PRESSURE SWITCH**

- \_\_\_ 1. Lube oil pump # 4 SB Switch, Initiate --- Run position Assure indicator light is on.
- \_\_\_ 2. Lube oil pump # 3 SB Switch, Initiate --- Stop then return to auto start position.
- \_\_\_ 3. Connect calibrated test gauge 0 to 100psi to FBSPR-4 test port valve. Slowly open test valve and record gauge pressure. \_\_\_
- \_\_\_ 4. Connect voltmeter to pressure switch 110 volt terminals TBI /4 and TBI /5 Refer to drawing # 123-777 (207).
- \_\_\_ 5. Close supply valve to FBSPR 4 and test gauge trapping in the pressure.
- \_\_\_ 6. Slowly loosen gauge fitting bleeding off the trapped pressure from the switch. Record the pressure at which the switch activates. Opens \_\_\_ Closes \_\_\_ Assure indicator light goes out. Location # 203
- \_\_\_ 7. Close bleed off fitting. Open supply valve slowly. Record the pressure at which the switch activates. Open \_\_\_ Close \_\_\_
- \_\_\_ 8. Mfg. recommended pressure setting. Open 34 Closed 40 as drawing # 123-888 (08). If pressure difference is greater than 3psi from recommended, reset pressure switch and repeat steps 5,6 and 7. Record final readings. Open \_\_\_ Close \_\_\_
- \_\_\_ 9. ASSURE SUPPLY VALVE TO FBSPR # 4 SWITCH IS LEFT OPEN.

INITIATED BY \_\_\_\_\_ DATE \_\_\_\_\_  
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**ALTERNATOR & FLYWHEEL LUBE OIL SYSTEM  
TESTING PROCEDURE  
BEARING OIL DC PUMP PRESSURE SWITCHS**

**EBSPS & EBSPSA ALT. DC-AUTO START REDUNDENT PRESSURE SWITCHS**

- \_\_\_ 1. Lube oil pump # 2 SB Switch, Initiate --- Run position Assure indicator light is on.
- \_\_\_ 2. Lube oil pump # 1 SB Switch, Initiate --- Stop then return to auto start position.
- \_\_\_ 3. Connect calibrated test gauge 0 to 100psi to EBSPS test port valve. Slowly open test valve and record gauge pressure. \_\_\_
- \_\_\_ 4. Connect voltmeters to pressure switch 110volt terminals TBA/6 #7211B and TBA/5 #7211A. EBSPSA terminals are TBA/2 # 7212 and TBA/1 # 7211. Refer to drawing # 123-777 (26).
- \_\_\_ 5. Close supply valve to EBSPS and test gauge trapping in the pressure.
- \_\_\_ 6. Slowly loosen gauge fitting bleeding off the trapped pressure from the switch. Record the pressure at which the switch activates. Opens \_\_\_ Closes \_\_\_
- \_\_\_ 7. Close bleed off fitting. Open supply valve slowly. Record the pressure at which the switch activates. Open \_\_\_ Close \_\_\_
- \_\_\_ 8. Mfg. recommended pressure setting. Open 50 Closed 49 as drawing # 123-888 (08). If pressure difference is greater than 2psi from recommended, reset pressure switch and repeat steps 5,6 and 7. Record final readings. Open \_\_\_ and Close \_\_\_
- \_\_\_ 9. Repeat steps 3 through 8 for switch EBSPSA. Record final readings. Open \_\_\_ Close \_\_\_

**DC PUMPS FUNCTIONAL TEST**

- \_\_\_ 10. DC Pump starter supply breaker # 216F Initiate---ON position.
- \_\_\_ 11. Helium panel # 132 supply switch # 216E Initiate---ON position.
- \_\_\_ 12. DC Lube oil pump starter # 104, Initiate---Auto start position.
- \_\_\_ 13. Repeat steps # 5,6 and 7. Acknowledge DC Pump starts at recorded activation pressure. Assure helium panel alarms, from low bearing oil pressure. Reset alarm.
- \_\_\_ 14. DC lube oil pump starter # 104, Initiate---Lock stop then back to auto start.
- \_\_\_ 15. Repeat steps 13 for pressure switch EBSPSA.
- \_\_\_ 16. DC lube oil pump starter # 104, Initiate---Lock stop position.
- \_\_\_ 17. DC breaker # 216F and 216E switch, Initiate---Off position.
- \_\_\_ 18. Remove voltmeter and test gauge. Assure test port valve is closed and capped.
- \_\_\_ 19. ASSURE SUPPLY VALVE TO EBSPS AND EBSPSA ARE LEFT OPEN.

INITIATED BY \_\_\_\_\_ DATE \_\_\_\_\_  
ASSURED BY \_\_\_\_\_ DATE \_\_\_\_\_

**. ALTERNATOR & FLYWHEEL LUBE OIL SYSTEM  
TESTING PROCEDURE  
BEARING OIL DC PUMP PRESSURE SWITCHS**

**FEBSPS & FEBSPA, FLY. DC-AUTO START REDUNDENT PRESSURE SWITCHS**

- \_\_\_ 1. Lube oil pump # 2 SB Switch, Initiate --- Run position Assure indicator light is on.
- \_\_\_ 2. Lube oil pump # 1 SB Switch, Initiate --- Stop then return to auto start position.
- \_\_\_ 3. Connect calibrated test gauge 0 to 100psi to FEBSPS test port valve. Slowly open test valve and record gauge pressure. \_\_\_
- \_\_\_ 4. Connect voltmeters to pressure switch 110volt terminals TBI/11 and TBI/12.  
FEBSPA, terminals are TBI/13 and TBI/14. Refer to drawing # 123-777 (207).
- \_\_\_ 5. Close supply valve to FEBSPS and test gauge trapping in the pressure.
- \_\_\_ 6. Slowly loosen gauge fitting bleeding off the trapped pressure from the switch. Record the pressure at which the switch activates. Opens \_\_\_ Closes \_\_\_
- \_\_\_ 7. Close bleed off fitting. Open supply valve slowly. Record the pressure at which the switch activates. Open \_\_\_ Close \_\_\_
- \_\_\_ 8. Mfg. recommended pressure setting. Open 50 Closed 49psi as drawing # 123-888 (08).  
If pressure difference is greater than 2psi from recommended, reset pressure switch and repeat steps 5,6 and 7. Record final readings. Open \_\_\_ and Close \_\_\_
- \_\_\_ 9. Repeat steps 3 through 8 for switch FEBSPA. Record final readings.  
Open \_\_\_ and Closed \_\_\_

**DC PUMPS FUNCTIONAL TEST**

- \_\_\_ 10. DC, Lube oil pump starter supply breaker # 216G Initiate---ON position.
- \_\_\_ 11. Helium panel # 132 supply switch # 216E Initiate---ON position.
- \_\_\_ 12. DC Lube oil pump starter # 449, Initiate---Auto start position.
- \_\_\_ 13. Repeat steps # 5,6 and 7. Acknowledge DC Pump starts at recorded activation pressure.  
Assure helium panel alarms, from low bearing oil pressure. Reset alarm.
- \_\_\_ 14. DC lube oil pump starter # 449, Initiate---Lock stop then back to auto start.
- \_\_\_ 15. Repeat steps 13 for pressure switch EBSPA.
- \_\_\_ 16. DC lube oil pump starter # 449, Initiate---Lock stop position.
- \_\_\_ 17. DC breaker # 216G and 216E switches, Initiate---Off position.
- \_\_\_ 18. Remove voltmeters and test gauge. Assure test port valve is closed and capped.
- \_\_\_ 19. ASSURE SUPPLY VALVE TO FEBSPS AND FEBSPA ARE LEFT OPEN.

INITIATED BY \_\_\_\_\_ DATE \_\_\_\_\_  
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**. ALTERNATOR & FLYWHEEL LUBE OIL SYSTEM  
TESTING PROCEDURE  
BEARING OIL (AC) PUMP PRESSURE SWITCH  
LOPA, ALT. LOW BEARING OIL PRESSURE ALARM SWITCH**

- \_\_\_ 1. Lube oil pump # 2, SB Switch, Initiate ---Run position. Assure indicator light goes on.
- \_\_\_ 2. Lube oil pump # 1, SB Switch, Initiate ---Auto start position.
- \_\_\_ 3. Helium panel # 132 DC supply switch # 216E Initiate---ON position.
- \_\_\_ 4. Connect calibrated test gauge 0/100psi to LOPA test port valve. Slowly open test valve and record gauge pressure. \_\_\_\_\_
- \_\_\_ 5. Connect voltmeters to pressure switch 110volt terminals TBA/13 wire # 212A and TBA/14 # 212 also TBB/17 wire # 212B and TBB/18 # 212C. Refer to drawing # 123-777 (26)
- \_\_\_ 6. Close supply valve to LOPA and test gauge trapping in the pressure.
- \_\_\_ 7. Slowly loosen gauge fitting bleeding off the trapped pressure from the switch. Record the pressure at which the switch activates. Opens \_\_\_\_\_ closes \_\_\_\_\_ Assure helium panel Annunciates low-pressure alarms.
- \_\_\_ 8. Close bleed off fitting. Open supply valve slowly. Record the pressure at which the switch Activates. Opens \_\_\_\_\_ closes \_\_\_\_\_ Assure alarm resets automatically.
- \_\_\_ 9. Mfg. required pressure settings. Open at 25psi, Closes at 19psi as drawing # 123-888 (08). If pressure difference is greater than-3psi from required, reset pressure switch and repeat Test. Record final readings. Open \_\_\_\_\_ and closed \_\_\_\_\_
- \_\_\_ 10. Helium panel # 132 DC supply switch # 216E Initiate---OFF position.
- \_\_\_ 11. Remove voltmeter and test gauge. Assure test port valve is closed and capped.
- \_\_\_ 12. ASSURE SUPPLY VALVE TO LOPA, SWITCH IS LEFT OPEN.

INITIATED BY \_\_\_\_\_ DATE \_\_\_\_\_  
ASSURED BY \_\_\_\_\_ DATE \_\_\_\_\_

**FLOPA, FLY. LOW BEARING OIL PRESSURE ALARM SWITCH**

- \_\_\_ 1. Lube oil pump # 4, SB Switch, Initiate ---Run position. Assure indicator light goes on.
- \_\_\_ 2. Lube oil pump # 3, SB Switch, Initiate ---Auto start position.
- \_\_\_ 3. Helium panel # 132 DC supply switch # 216E Initiate---ON position.
- \_\_\_ 4. Connect calibrated test gauge 0/100psi to FLOPA test port valve. Slowly open test valve And record gauge pressure. \_\_\_\_\_
- \_\_\_ 5. Connect voltmeters to pressure switch 110volt terminals TBI/19 and TBI/20 also TBI/21 and TBI/22 Refer to drawing # 123-777 (207)
- \_\_\_ 6. Close supply valve to FLOPA and test gauge trapping in the pressure.
- \_\_\_ 7. Slowly loosen gauge fitting bleeding off the trapped pressure from the switch. Record the Pressure at which the switch activates. Opens \_\_\_\_\_ closes \_\_\_\_\_ Assure helium panel Annunciate low-pressure alarms.
- \_\_\_ 8. Close bleed off fitting. Open supply valve slowly. Record the pressure at which the switch Activates. Opens \_\_\_\_\_ closes \_\_\_\_\_ Assure alarm resets automatically.
- \_\_\_ 9. Mfg. required pressure settings. Opens at 25psi, Closes at 19psi as drawing # 123-888 (08). If pressure difference is greater than-3psi from required, reset pressure switch and repeat Test. Record final readings. Open \_\_\_\_\_ and closed \_\_\_\_\_
- \_\_\_ 10. Helium panel # 132 DC supply switch # 216E Initiate---OFF position.
- \_\_\_ 11. Remove voltmeter and test gauge. Assure test port valve is closed and capped.
- \_\_\_ 12. ASSURE SUPPLY VALVE TO FLOPA, SWITCH IS LEFT OPEN.

INITIATED BY \_\_\_\_\_ DATE \_\_\_\_\_  
ASSURED BY \_\_\_\_\_ DATE \_\_\_\_\_

**ALTERNATOR & FLYWHEEL LUBE OIL SYSTEM  
TESTING PROCEDURE  
BEARING OIL DC PUMP PRESSURE SWITCH  
EBSR DC, LUBE OIL RUN PRESSURE SWITCH**

- \_\_\_ 1. DC, Lube oil pump starter supply breaker # 216G Initiate---ON position.
- \_\_\_ 2. Helium panel # 132 supply switch # 216E Initiate---ON position.
- \_\_\_ 3. DC Lube oil pump starter # 104, Initiate---Run position.
- \_\_\_ 4. Connect calibrated test gauge 0/100psi to EBSR test port valve. Slowly open test valve and record gauge pressure. \_\_\_\_\_
- \_\_\_ 5. Connect voltmeters to pressure switch 110volt terminals TBA/3 wire # 401 and TBA/10 wire # 484 also TBA/3 wire # 2-2 and TBA/3 # 2-1 Refer to drawing # 123-777 (26)
- \_\_\_ 6. Close supply valve to EBSR and test gauge trapping in the pressure.
- \_\_\_ 7. Slowly loosen gauge fitting bleeding off the trapped pressure from the switch. Record the pressure at which the switch activates. Opens \_\_\_\_\_ closes \_\_\_\_\_ Assure helium panel annunciate low-pressure alarms and DC starter #104 pressure indicator went off.
- \_\_\_ 8. Close bleed off fitting. Open supply valve slowly. Record the pressure at which the switch activates. Opens \_\_\_\_\_ closes \_\_\_\_\_ Assure alarm resets and pressure indicator goes on.
- \_\_\_ 9. Mfg. required pressure settings. Opens at 10psi, Closes at 16psi as drawing # 123-888 (08). If pressure difference is greater than-3psi from required, reset pressure switch and repeat test. Record final readings. Open \_\_\_\_\_ and closed \_\_\_\_\_
- \_\_\_ 10. DC Lube oil pump starter # 104, Initiate---Lock stop position.
- \_\_\_ 11. DC Pump starter supply breaker # 216F Initiate---OFF position.
- \_\_\_ 12. Helium panel # 132 DC supply switch # 216E Initiate---OFF position.
- \_\_\_ 13. Remove voltmeter and test gauge. Assure test port valve is closed and capped.
- \_\_\_ 14. ASSURE SUPPLY VALVE TO EBSR, SWITCH IS LEFT OPEN

INITIATED BY \_\_\_\_\_ DATE \_\_\_\_\_  
ASSURED BY \_\_\_\_\_ DATE \_\_\_\_\_

**FEBSR DC, LUBE OIL RUN PRESSURE SWITCH**

- \_\_\_ 1. DC, Lube oil pump starter supply breaker # 216G Initiate---ON position.
- \_\_\_ 2. Helium panel # 132 supply switch # 216E Initiate---ON position.
- \_\_\_ 3. DC Lube oil pump starter # 449, Initiate---Run position.
- \_\_\_ 4. Connect calibrated test gauge 0/100psi to FEBSR test port valve. Slowly open test valve and record gauge pressure. \_\_\_\_\_
- \_\_\_ 5. Connect voltmeters to pressure switch 110volt terminals TBI/7 and TBI/8 also TBI/9 and TBI/10. Refer to drawing # 123-777 (207)
- \_\_\_ 6. Close supply valve to FEBSR and test gauge trapping in the pressure.
- \_\_\_ 7. Slowly loosen gauge fitting bleeding off the trapped pressure from the switch. Record the pressure at which the switch activates. Opens \_\_\_\_\_ closes \_\_\_\_\_ Assure helium panel annunciate low-pressure alarms and DC starter #449 pressure indicator went off.
- \_\_\_ 8. Close bleed off fitting. Open supply valve slowly. Record the pressure at which the switch activates. Opens \_\_\_\_\_ closes \_\_\_\_\_ Assure alarm resets and pressure indicator goes on.
- \_\_\_ 9. Mfg. required pressure settings. Opens at 10psi, Closes at 16psi as drawing # 123-888 (08). If pressure difference is greater than-3psi from required, reset pressure switch and repeat test. Record final readings. Open \_\_\_\_\_ and closed \_\_\_\_\_
- \_\_\_ 10. DC Lube oil pump starter # 449, Initiate---Lock stop position.
- \_\_\_ 11. DC Pump starter supply breaker # 216G, Initiate---OFF position.
- \_\_\_ 12. Helium panel # 132 DC supply switch # 216E Initiate---OFF position.
- \_\_\_ 13. Remove voltmeter and test gauge. Assure test port valve is closed and capped.
- \_\_\_ 14. ASSURE SUPPLY VALVE TO FEBSR, SWITCH IS LEFT OPEN.

INITIATED BY \_\_\_\_\_ DATE \_\_\_\_\_  
ASSURED BY \_\_\_\_\_ DATE \_\_\_\_\_

**ALTERNATOR & FLYWHEEL LUBE OIL SYSTEM  
TEST PROCEDURE  
OIL LEVEL ALARMS AND TRIPS  
OLG & FOLG, HI AND LOW OIL LEVEL ALARM SWITCHES**

- \_\_\_ 1. Connect voltmeter to the alternator OLG level switch terminals TBA/9 wire #213A and TBA/10 wire # 213 high level contacts. Location # 230
- \_\_\_ 2. Connect voltmeter to the flywheel FOLG level switch terminals TBI/33 and TBI/32 low level contacts. Location # 444 the same terminals # are for both reservoirs high and low.
- \_\_\_ 3. Lube oil reservoirs connector valve BO 37---Close position.
- \_\_\_ 4. Cuno filter supply from alternator reservoir valve BO 43---Close position.
- \_\_\_ 5. Cuno filter supply from flywheel reservoir valve BO 96---Open position.
- \_\_\_ 6. Lube oil supply to flywheel seals valve SO 97---Close position.
- \_\_\_ 7. Assure cuno and seal drain pumps are operating. Lube oil will transfer out of the flywheel reservoir and raise the level of the alternator reservoir.
- \_\_\_ 8. Record the oil level at which the OLG high level switch activates \_\_\_\_\_”  
Measure all oil levels from the under side of the reservoir top plate.
- \_\_\_ 9. Record the oil level at which the FLOG low-level switch activates. \_\_\_\_\_”
- \_\_\_ 10. Cuno filter should shut off when FLOG low level switch activates---Check  
High and low level alarm indicators are on ---Check location # 203

**CAUTION**

To keep the reservoir from filling further

- \_\_\_ 11. Reservoir connector valve BO 37---Open position.

Reversing the reservoir levels, Alternator low level and flywheel high level.

- \_\_\_ 12. Reservoir connector valve BO 37---Close position.
- \_\_\_ 13. Lube oil supply to flywheel seals valve SO 97---Open position. With out vacuum the flywheel seal oil will drain to the bearing side of the seals then to the flywheel reservoir.
- \_\_\_ 14. Cuno filter supply from alternator reservoir valve BO 43---Open position.
- \_\_\_ 15. Cuno filter supply from flywheel reservoir valve BO 96--- Close position.
- \_\_\_ 16. Record the oil level at which FLOG high level switch activates \_\_\_\_\_”
- \_\_\_ 17. Record the oil level at which the OLG low level activates \_\_\_\_\_”
- \_\_\_ 18. Cuno filter should shut off when OLG low level switch activates---Check  
High and low alarm indicators are on---Check--- location # 203  
Alternator speed # 1 interlock relay # \_\_\_\_\_---Check picked up---location # \_\_\_\_\_

**CAUTION**

To keep reservoir from filling further

- \_\_\_ 19. Reservoir connector valve BO 37---Open position.

Verification of FLOLT and LOLT low level trip switches requires further securing.

- \_\_\_ 20. Connect voltmeters to terminals TBI/30 and TBI/29 location #444 for both FLOLT and LOLT low, level trip.
- \_\_\_ 21. LOLT trip switch isolation valves BO 39 and BO 40---Close position.
- \_\_\_ 22. FLOLT trip switch isolation valve BO 71 and BO 72---Close position.  
This will trap the oil in the switches float chamber.
- \_\_\_ 23. Position a oil catching container under a switch then only loosen the flange bolts on the lower flange adjacent to chamber allowing the oil to drain out slowly. May have to pry apart the flanges slightly.
- \_\_\_ 24. Assure FLOLT switch activation \_\_\_\_\_. Assure LOLT switch activation \_\_\_\_\_.
- \_\_\_ 25. Assure interlocking relays operate properly--- Fault light panel #202---
- \_\_\_ 26. Secure flanges and slowly open valves # BO 39, BO 40, BO 71and BO 72 ---Open position.  
Assure switches reset---Fault light clears panel #202.

INITIATED BY \_\_\_\_\_ DATE \_\_\_\_\_  
ASSURE BY \_\_\_\_\_ DATE \_\_\_\_\_

**ALTERNATOR & FLYWHEEL LUBE OIL SYSTEM  
TESTING PROCEDURE  
HTH-TR, THERMOSTATIC SWITCH**

- \_\_\_ 1. Prepare a hot water bath in a deep fryer unit. Use two glass thermometers capable of reading between 60 and 120°F. Setup at location and heat water to about 120°F.
- \_\_\_ 2. Alternator reservoir. Remove thermostat capillary tube from oil well. Caution with capillary tube and exposed terminals. Immerse bulb in the hot water bath.
- \_\_\_ 3. Allow water to cool down. Record the temperature at which the switch activates. \_\_\_ °F
- \_\_\_ 4. Lube oil reservoir heater breaker MCCA-4H---Setup amp probe to read current to heaters.
- \_\_\_ 5. Lube oil reservoir heater breaker, Initiate MCCA-4H---ON position.
- \_\_\_ 6. Lube oil reservoir heater selector switch---ON position. Location #202.
- \_\_\_ 7. Assure heater contactor operates. Record current \_\_\_ Amps
- \_\_\_ 8. Heat up water bath and record the temperature at which the switch activates. \_\_\_ °F  
Assure heater contactor operates to the ---Open position.
- \_\_\_ 9. Normal operating temperature is heaters---ON at a decrease to 100°F Switch span sets OFF
- \_\_\_ 10. Lube oil breaker and selector switch, Initiate---OFF position A-4H and #202.
- \_\_\_ 11. Re install capillary tube.

INITIATED BY \_\_\_\_\_ DATE \_\_\_\_\_  
ASSURED BY \_\_\_\_\_ DATE \_\_\_\_\_

**ALTERNATOR LUBE OIL RETURN OVER TEMPERATURE THERMOSTATS**

Location #293 and #294

- \_\_\_ 1. Prepare a hot water bath in a deep fryer unit. Use two glass thermometers capable of reading between 60 and 160°F. Setup at location and heat water to about 120°F.
- \_\_\_ 2. Remove capillary tube from well and immerse in the water bath.
- \_\_\_ 3. Raise the temperature of the bath keeping it mixed. Record the temperature at which the switch #293 activates. \_\_\_ °F and #294 \_\_\_ °F. See fault light panel #202 for indication.
- \_\_\_ 4. Operating range is 150°F + or - 1° If the temperature difference exceeds this range, adjust thermostat and record final reading #293 \_\_\_ °F and #294 \_\_\_ °F.
- \_\_\_ 5. Remove capillary from bath. Assure thermostat switch resets, panel #202.
- \_\_\_ 6. Assure to RTV adjusting knobs at final setting.
- \_\_\_ 7. Install capillaries, caution not to kink tubing. Keep excess tube coiled and tied.

INITIATED BY \_\_\_\_\_ DATE \_\_\_\_\_  
ASSURED BY \_\_\_\_\_ DATE \_\_\_\_\_

**FLYWHEEL LUBE OIL RETURN OVER TEMPERATURE THERMOSTAT**

Location # 445 and 456.

- \_\_\_ 1. Prepare a hot water bath in a deep fryer unit. Use two glass thermometers capable of reading between 60 and 160°F. Setup at location and heat water to about 120°F.
- \_\_\_ 2. Remove capillary tube from well and immerse in the water bath.
- \_\_\_ 3. Raise the temperature of the bath keeping it mixed. Record the temperature at which the switch activates. \_\_\_ °F. See fault light panel #202 for indication.
- \_\_\_ 4. Operating range is 150°F + or - 1° If the temperature difference exceeds this range, adjust thermostat and record final reading \_\_\_ °F.
- \_\_\_ 5. Remove capillary from bath. Assure thermostat switch resets, panel #202.
- \_\_\_ 6. Assure to RTV adjusting knobs at final setting.
- \_\_\_ 7. Install capillary tube, caution not to kink tubing. Keep excess tube coiled and tied.

INITIATED BY \_\_\_\_\_ DATE \_\_\_\_\_

**ASSURED BY** \_\_\_\_\_ **DATE** \_\_\_\_\_