Checklist

SA315B Lama

Cockpit Preparation

1. Seat ..... adjusted and locked
2. Tail rotor pedals ..... adjusted
3. Seat belts ..... fastened
4. Frictions ..... off
5. Flight controls ..... freedom of movement
6. Frictions ..... on
7. Collective ..... full down
8. Fuel control lever ..... closed, full rearward position
9. Fuel shut off lever ..... on, full forward and lockwired
10. Hydraulic ..... on, down position
11. Heater ..... off
12. Rotor brake ..... released
13. Starting selector ..... off
14. Circuit breakers ..... all in
15. Switches and electrical equipment ..... off

Engine Start

1. Start-up clearance (if necessary) ..... received
2. Rotor ..... one blade 12 o'clock position
3. Battery ..... on
4. Generator ..... on
5. Anti collision / external lights ..... on as required
6. Warning lights ..... press to test

7. Fuel booster pump ..... on for 20 sec.
8. Fuel quantity ..... checked
9. Voltmeter ..... min. 24 volts
10. Starting selector ..... on

a.) Start stop watch
b.) Green start light on
c.) Yellow micropump light on after a few seconds
d.) T4 rise to max. 630°C – BE READY TO SHUT DOWN
e.) Engine oil pressure – check rise
f.) Yellow micropump light off after 5-15 sec. (6000 RPM)
g.) Green start light off after max. 60 sec. (13000 RPM)
h.) Red stop light remains off
i.) T4 stabilized 420°C-450°C (16'000-19'000 RPM)

11. Electrical equipment ..... on

Rotor Engagement

1. Area ..... clear

a.) Advance fuel control lever (18'500–max. 24'000 RPM)
b.) Max engine temp. rise 50°C
c.) Start stop watch when rotor starts turning
d.) 100 RRPM after 15 sec
e.) Synchronisation after 35-45 sec.
f.) Fuel lever forward until travel stop

2. Starting selector switch ....off and on (engine does not stop)
3. Warning lights ..... all out
4. Temperatures and pressures ..... green arc
5. Hydraulic ..... check

Check before Take-off

1. Heater ..... off
2. Fuel flow control ..... forward
2. Rotor RPM ..... green arc
3. Engine Instruments ..... green
4. Fuel boost pump ..... on
5. Fuel quantity ..... checked
6. Warning lights ..... all out
8. Frictions ..... adjusted
9. Max pitch angle ..... calculated
10. Landing light ..... as required

Hover Check

1. Rotor RPM ..... green arc
2. Pitch angle ..... according to computer limitation
3. Wind ..... checked
4. Departure sector ..... clear

Climb Check

1. Max. pitch angle ..... according to computer limitation
2. Airspeed ..... 60 kt (100 km/h)
3. Vertical speed ..... positive

Check for Approach

1. Heater ..... off
2. Fuel flow control ..... forward
2. Rotor RPM ..... green arc
3. Engine Instruments ..... green
4. Fuel boost pump ..... on
5. Fuel quantity ..... checked
6. Warning lights ..... all out
8. Frictions ..... adjusted
9. Max pitch angle ..... calculated
10. Landing light ..... as required

Final Check

1. Airspeed ..... 30 kt.
2. Rate of descent ..... < 500 ft/min
3. Decision ..... Land or go around

Engine Shut Down

1. Collective .....full down
2. Frictions ..... on
3. Fuel control lever .....idle
4. Electrical equipment..... off, except anti-collision light
5. Rotor brake.....Engage at RRPM <175

Caution
Stop rotor with one blade in the 12 o'clock position

6. Engine selector ..... off
7. Anti collision light ..... off
8. Generator ..... off
9. Battery ..... off