

AIRCRAFT WEIGHT LIMITS

Gross weight maximum _____ pounds.

Towing gross weight maximum _____ pounds.

Both are 3000 pounds maximum.

CABIN SMOKE ELIMINATION

1. Cabin heater - switch off.
2. Cabin vent - pull on.
3. Defog and vent - switch on.
4. Cabin door vents - open.
5. Land and investigate.

ROTOR TACHOMETER

YELLOW RANGE

Avoid prolonged operation _____ to _____
rotor rpm.

172 to 206 rotor rpm.

STARTING
ENGINE FIRE EXTERNAL

1. Close throttle.
2. Complete shutdown.
3. Exit the aircraft.
4. Use fire extinguisher.

FUEL CONTROL OVERSPEED

1. Throttle to flight idle position.
2. Maintain rotor in the green with collective.
If above safe area, autorotate and emergency shutdown.
3. If above unsafe area, maintain rotor in the green with throttle and collective at safe area, autorotate and emergency shutdown.

TOT LIMITS

ENGINE START

To 693 °C no limit.

693 °C to 749 °C maximum 10 seconds

927 °C never exceed, Red Dot.

To 749°C no limit.

749°C to 927°C maximum, 10 seconds.

927°C never exceed Red Dot.

TOT RANGES AND LIMITS

Green: Normal 330 °C to 693 °C.

Yellow: Starting and transient 749 °C to 727 °C.

Redline: 92

Above 40 °C OAT 749 °C for 5 minutes maximum.

Below 40 °C OAT 749 °C for 30 minutes maximum.

Power Transient: 749 °C to 843 °C maximum
6 seconds.

Normal - 330°C to 693°C.

Start-Trans - 749°C to 927°C.

Redline:

Above 40°C - 749°C, 5 minutes.

Below 40°C - 749°C, 30 minutes.

ENGINE RESTART DURING FLIGHT

1. Establish autorotational glide.
2. Select forced landing area.
3. Throttle - closed.
4. Attempt start.
5. Throttle - open slowly to full open after start.

COMPRESSOR STALL

1. Reduce power.
2. Deice switch - OFF.
3. Heater switch - OFF.

If above procedure does not eliminate condition,
land and investigate.

N₂ POWER ON

POWER TURBINE LIMITS AND RANGES

Normal: _____% to _____%.

Minimum: _____%.

Maximum: _____%.

Transient: _____% for _____ seconds maximum.

Normal: 101% to 103%.

Minimum: 101%.

Maximum 103%.

Transient: 105% for 15 seconds maximum.

ROTOR TACHOMETER

POWER OFF LIMITS AND RANGES

Normal: _____ NR to _____ NR.

Minimum: _____ NR.

Maximum: _____ NR.

Normal: 330 to 390.

Minimum: 330.

Maximum: 390.

GENERATOR FAILURE

1. Generator switch - cycle if power is not re-stored - generator switch off.
2. Electrical equipment - off except as needed.
3. Land at safe landing area.

ENGINE POWER SURGES

1. Increase beep to maximum.
2. Reduce N_2 speed to 101% with throttle.
3. Land as soon as possible. If this does not eliminate surges, accomplish shutdown and autorotate.

STARTER TIMES NORMAL LIMITS

_____ seconds maximum if OAT is $+10^{\circ}\text{C}$ or more.

_____ seconds maximum if OAT is $+10^{\circ}\text{C}$ or less.

45 seconds @ $+10^{\circ}\text{C}$ or more

60 seconds @ $+10^{\circ}\text{C}$ or less

HOT START

TOT LIMITS

If _____°C to _____°C for _____ seconds, abort start.

If _____°C red dot, abort start.

(See Hot Start Procedures.)

If 749°C to 927°C for 10 seconds, abort start.

If 927°C Red Dot, abort start.

(See Hot Start Procedures.)

HOT START OR
ENGINE FIRE INTERNAL PROCEDURES

FIRE

1. Continue to press starter.
2. Throttle closed.
3. Fuel valve - OFF.
4. When TOT is normal (200°C), complete shutdown.

AIRSPEED

LIMITS AND RANGES

Blue Line: Autorotation _____ knots maximum.

Redline: _____ knots maximum.

Decrease VNE _____ knots per 1000 feet above
_____ feet.

Blue Line Auto: 100 knots maximum.

Redline: 120 knots maximum.

Decrease VNE 3 knots per 1000 feet above
3000 feet.

AUTOROTATION

MINIMUM RATE/DESCENT

MAXIMUM GLIDE

Minimum rate/descent: _____ knots at _____ rotor speed.

Maximum glide: _____ knots at _____ rotor speed.

Minimum rate/descent: 42 knots at 330
rotor speed.

Maximum glide: 74 knots at 330 rotor speed.

FUEL BOOST PUMP FAILURE

Above 10,000 feet - engine stops autorotation.
Below 10,000 feet - land normal.

Boost pump off causes unfiltered fuel to enter
the engine.

ENGINE FUEL PUMP FAILURE

1. Autorotate.
2. Emergency shutdown.

ENGINE OIL PRESSURE RANGES AND LIMITS

Yellow: Avoid continuous operating _____ psi to _____ psi.

Green: _____ psi to _____ psi.

Redline: _____ psi.

Yellow: 50 psi to 110 psi.

Green: 110 psi to 130 psi.

Redline: 130 psi.

ENGINE OIL TEMPERATURE RANGES AND LIMITS

Green: _____°C to _____°C.

Redline: _____°C.

Green: 60°C to 107°C .

Redline: 107°C .

FIRE FUSELAGE

1. Airspeed - reduce to minimum.
2. Ventilation and doors - open if smoke enters cabin.
3. Battery switch - OFF.
4. Generator switch - OFF.

TORQUEMETER

RANGES AND LIMITS

Green: _____ psi to _____ psi.

Yellow: _____ psi to _____ psi, _____ minutes maximum.

Redline: _____ psi.

Green: 0 psi to 79 psi.

Yellow: 79 psi to 92 psi.

Redline: 92 psi.

FIRE ELECTRICAL

1. Battery and generator switches - OFF.
2. Land as soon as possible.

N₁

TACHOMETER RANGES AND LIMITS

Green: _____% to _____%.

Redline: _____%.

Transient: _____% for _____ seconds.

Green: 62% to 104%.

Redline: 104%.

Transient: 105% for 15 seconds.

FIRE

ENGINE FIRE DURING FLIGHT

1. Select forced landing area.
2. Autorotate.
3. Throttle - closed.
4. Battery switch - OFF except for light and/or radio needs.
5. Fuel off.

LIMITATIONS

When exceeded, require an
entry in the _____ - _____ for
maintenance action.

2408-13

N_2

TACHOMETER TRANSIENTS

Allowed _____ seconds maximum N_2 limits when—

Autorotation "O" torque to _____% N_2 .

Takeoff maximum torque to _____% N_2 .

15 seconds

"O" torque to 110%

Takeoff torque to 105%

XMSN

OIL HOT LIGHT

Warning temperature light comes on at
____ °C.

110°C

XMSN

OIL PRESSURE LIGHT

Warning pressure light comes on

Below _____ psi.

or

Above _____ psi.

Below 30 psi
or
Above 80 psi

XMSN

Oil hot (temperature) or oil pressure light comes on
procedure.

1. Accomplish normal landing at nearest safe place (open field).
2. Do not move aircraft.

INADVERTENT IFR PROCEDURE

1. Get control of aircraft.
2. Climb or descend to 2000 feet altitude.
3. Call Cairns Approach Control 125.4 or 234.4.

(Local Policy)

FLIGHT CONTROL FAILURE

PRAY

TAIL ROTOR FAILURES

Read pages 4-7 to 4-9.

EMERGENCY ENGINE SHUTDOWN

1. Throttle - closed.
2. Battery switch - OFF.
3. Fuel valve - OFF.

N₂ GOVERNOR UNDERSPEEDING FAILURE

1. Collective down.
2. Throttle - to idle stop.
3. Autorotative landing.

RADIO FREQUENCIES

Lowe Tower _____.

Lowe Ground _____.

Ech East _____.

Ech West _____.

Lowe Tower - 237.3.

Lowe Ground - 229.4.

Ech East - 242.8.

Ech West - 347.5.

Briefing room phone 4603.



Post 0300
Room 0430
Cable 45
Phone 445
Room 1

FT RUCKER 051250