

HELICOPTER EQUIPPED WEIGHT: SEE MOST RECENT CHART "C" IN THE RFM IN SECTION 6. INDICATES 2456.0 LBS AT LAST WEIGHT-IN ON 03/28/2000. ADD 15.0 FOR SURVIVAL EQUIPMENT = 2471.0 LBS.

U.S. DEPARTMENT OF THE INTERIOR HELICOPTER LOAD CALCULATION		HELICOPTER MODEL <u>206C</u> NO. <u>10864</u>	
Pilot	Project	Date	
<u>K. Carlton</u>	<u>BLM</u>	<u>8-3-00</u>	
		Time	<u>0800</u>
1. Departure Base	<u>LWL</u>	Pressure ALT	
2. Destination Base	<u>IA</u>	Temperature	<u>1000</u> <u>30°C</u>
3. Helicopter Equipped Weight			<u>2471</u>
4. Flight Crew Weight			<u>240</u>
5. Fuel (Gals. X lbs.)			<u>400</u>
6. Operating Weight			<u>3111</u>
		IGE	OGE
7. Computed Gross Weight		<u>4150</u>	<u>4050</u>
8. Fixed Weight Reduction		<u>180</u>	<u>180</u>
9. Adjusted Weight (7 Minus 8)		<u>3970</u>	<u>3870</u>
10. Takeoff/Landing Limits (Handbook Limitation Section)		<u>- 4150 -</u>	
11. Selected Weight (Lowest of 9 or 10 for Nonjettisonable)		<u>3970</u>	<u>3870</u>
12. Operating Weight (Line 6)		<u>3111</u>	<u>3111</u>
13. Allowable Payload		<u>759</u>	<u>759</u>
14. Passengers and/or Cargo			
	<u>+ 26 lbs for Doors</u>		
	<u>0 FT</u>		
15. Actual Payload			
16. Actual Gross Weight (12 Plus 15) (Must Not Exceed Line 11)			
Pilot	Foreman		
<u>[Signature]</u>	<u>[Signature]</u>		
OAS-67 (02/81)			

Actual Pressure ALTITUDE: 5000 Ft. MSL
* Actual Temp: 76°F = 24.4°C

Result: Density ALTITUDE: 7000 FT.

Max Gross Wt. per Rotocraft Flight Manual {RFM} = 4150 LBS,
HWEI-IN-GROUND-EFFECT {HIGE} or APPROX 4100 LBS.

Subtract DOWNDOWNLOAD - 180 LBS FOR HIGE AND HOGS

Approx 3/4 Full FUEL = 98.4
GAL x .75 = 74.6
GAL = 507.3 LBS

* TEMP. CONVERSION:
C OR CELSIUS TO F.
 $C = 5/9(F-32)$

LOADING PROBLEM: C.G. CALCULATION, 206L-1 w/ AIRCRAFT 250-C30P

WEIGHT EMPTY	WEIGHT	C.G.	MOMENT
	2456.0	127.32	312717.76
+ OIL	13.0	205.	2665.0
+ FUEL { JETA / A-1 / JP-5 }	507.3	124.53	63177.70
+ PILOT	240.0	65.0	15600.0
+ FORWARD PASSENGER { EST. FROM VISIT }	200.0	65.0	13,000.0
+ (1) AFT PASSENGER (LEFT) { EST. FROM PLDF }	275.0	129.0	35475.0
+ BAGGAGE { SURVIVAL EQUIP. }	15.0	174.0	2610.0
TAKEOFF CONDITION			* WITHIN LOAG. C.G.
[REDACTED]	3706.3	120.132	445245.46
- FUEL (TO BEEN) 20 MIN.	75.4	131.5	9915.68
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
LANDING CONDITION			* EST. TO BE WITHIN
[REDACTED]	3630.9	119.89	435329.78