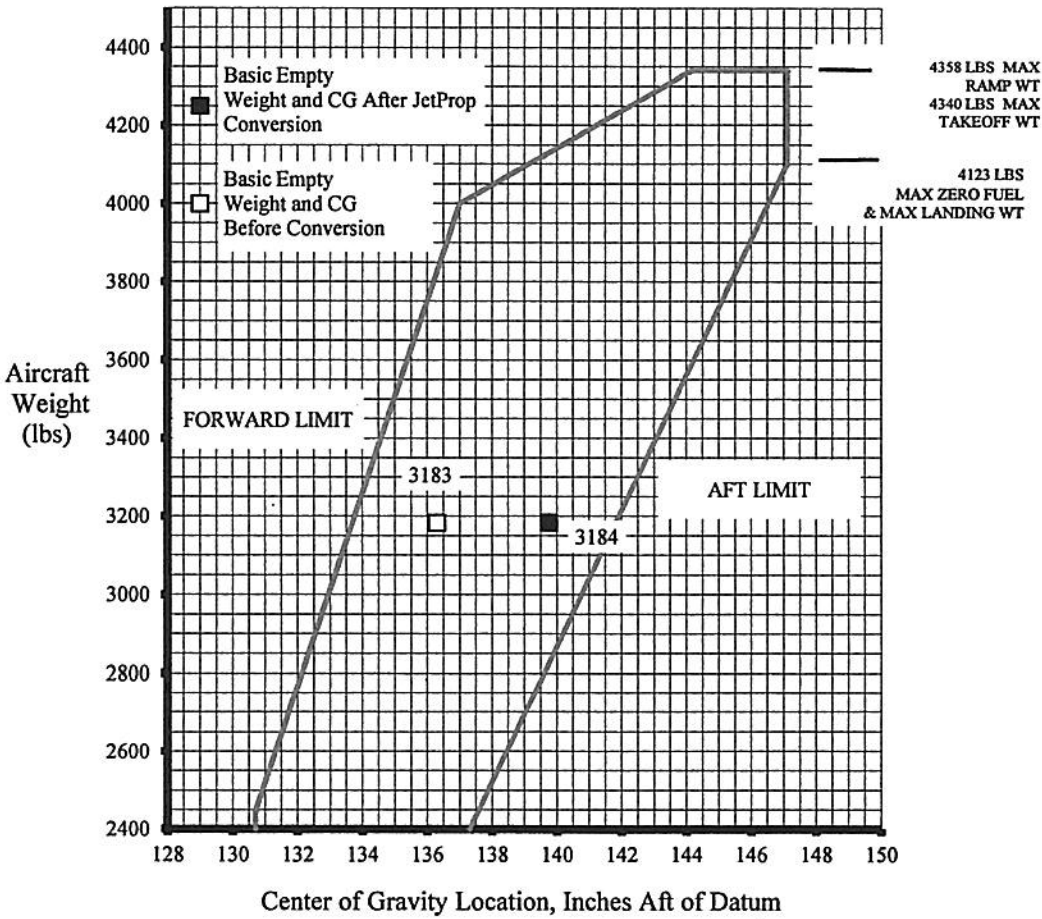


Aircraft N number:		N428CD After JetProp Conversion	
Date Weighed		3-Feb-16	
Note: Aircraft was weighed with no fuel and normal oil and hydraulic fluid.			
Scale Weights After	Weight	Arm	Moment
JetProp Conversion	lb	in	in-lb
Nose Gear	563	60.5	34061.5
Right Main Gear	1306	157	205042
Left Main Gear	1294	157	203158
Adjustments			
Plus Unusable fuel			
Header Tank(1.1 Gal)	7.37	88.6	652.982
Wing Tanks(2 Gal)	13.4	150.31	2014.154
Total	3183.77	139.749	444928.6
Aircraft Basic Weight	3184		444929
Aircraft C of G		139.7	
Note: 1. Basic aircraft weight and CG include full oil, hyd fluid, and unusable fuel.			
2. MT Propeller			
3. Small Header Tank			
4. Two Place portable oxygen bottle			

N428CD



N428CD WEIGHT & BALANCE CALCULATION 02/28/2019 DTN-F05

Weight and balance calculations were performed for N428CD for the flight on February 28, 2018 from Shreveport-Downtown Airport (SHV) to Vernon, TX Airport (F05). The Aircraft Basic Empty weight (3184 lbs), Aircraft Center of Gravity (139.7 inches), and Aircraft Moment (444929 in-lb) were listed in the Maintenance Logbook for this aircraft and determined by Rocket Engineering on February 3, 2016.

The pilot and passenger weights (531 lbs total) were provided by the Caddo Parish Coroner. The fuel (120 gallons) was calculated based on the statement by the lineman for Tubreaux Aviation in which he stated he was instructed to top-off the inboard tanks. Additionally, the Header Fuel tank was calculated at 11.1 gallons, which based on the fuel system always remains full.

The weight of the baggage of the aircraft was estimated by law enforcement and recovery personnel. Estimated weights and locations were: 50 lbs at the Center Seat position, 125 lbs at the Rear Seat position, and 125 lbs at the Aft Baggage position.

Based on these calculations, the ramp weight of the aircraft was 4906 lbs with a center of gravity of 145.41 inches. This weight is 548 pounds over the aircraft approved Max Gross Weight (4358 lbs).

It should be noted that the allowable CG at Max Gross Weight is 143.3 fwd to 147.2 aft.