EGD MANUFACTURING INC.

FORM 925F

SHOCK ABSORBER APPLICATION CHECK LIST

If assistance is needed in filling out this form, phone your local E.G.D. distributor.

CUSTOMER _____

ADDRESS _____ CITY _____ STATE _____

PERSON TO CONTACT _____ PHONE _____

E.G.D. DISTRIBUTOR _____ SALESMAN _____ DATE _____

TECHNICAL INFORMATION

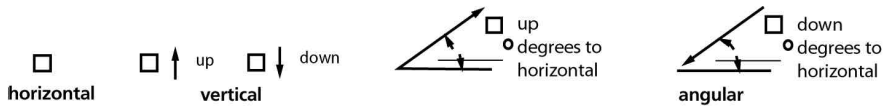
Please answer the following questions. Be sure to include a sketch of the application and brief description in the space provided on page 2.

SECTION A:

1. How many shock absorbers will share the load? _____
2. Frequency of operation? _____ Times per (minute) (hour) (day) (week)
3. Ambient temperature? _____ Min. to _____ max. degrees F
4. Type of return preferred? ☐ Air ☐ Spring
5. Any unusual environment such as moisture, sand, salt, etc? _____
6. State preferred mounting for shock absorber
   ☐ Front flange ☐ Clevis ☐ Rear flange ☐ Side lug Other _____

SECTION B: FOR LOADS MOVING IN A STRAIGHT LINE

1. Weight of moving load pounds _____
2. Load direction: (check those that apply and also show on page 2 sketch)

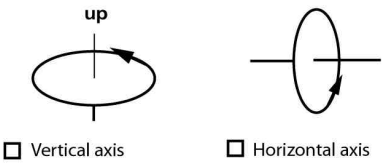


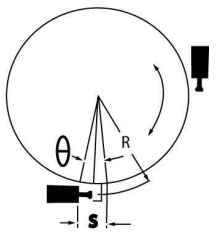
3. At point of contact with shock absorber
   a. velocity is _____ feet per second
   b. Is the load a pure inertia load? ☐ Yes ☐ No
   c. If not a pure inertia load, describe what is propelling it and how many pounds force: (If propelled by an electric motor state horsepower, ratio of stall to rated running torque, motor frame number and RPM.)
   _____
   d. If drive is by traction or friction, state coefficient of friction or maximum friction force
   _____
4. Rate of deceleration and stopping time are dependent upon the velocity of the load at point of impact and the stopping distance. If critical, state stopping time: _____ seconds, or desired maximum g value during stop: _____ g's, or stroke _____ inches.

SECTION C: SHOCK ABSORBERS FOR ROTATING LOADS

FIGURE 1

1. Axis of rotation:
   (check and also show on sketch)
2. Angular velocity at point of contact
   _____ radians per second.
3. (a) Weight _____ pounds.
   (b) Radius of gyration
   _____ Feet _____ Inches





or

4. Rotational inertia _____ Lbs. Ft^2 _____ Slug Ft^2.
5. At point of contact with shock absorber, radius "R" = _____ inches.
6. Stopping distance "S" = _____ inches or Stopping angle = _____ degrees.
7. If there is any external driving torque how much is it? _____ Lb. In.
8. If axis is horizontal and load is unbalanced what is torque due to gravity at an instant of striking shock absorber? _____ Lbs. In.