

Company Name _____ **Contact Name** _____

Phone Number _____ **Email Address** _____

1 Description of application:

2 Number of cycles/year _____ Desired service life in years _____

3 Drawing of sketch (hand drawn) which reflects the actuator(s) installation attached:

4 Load diagram reflecting the geometry and load centers (Centers of Gravity) relative to the actuator attached:

5 Anticipated annual quantities (units per year): Year 1 _____ Year 2 _____ Year 3 _____

6 Inquiry for: Active funded project Feasibility study for future project Information only

7 Project scheduled target dates: First prototype _____ First production _____

8 Required output torque: _____ in-lb Nm @ pressure _____ psi bar

9 Required holding torque: _____ in-lb Nm

10 Will torque be transmitted from one or both ends of the actuator? One end Both ends

11 Acceptable backlash: _____ degrees

12 Actuator will be used for: Torque and load bearing capacity Torque only

13 Hydraulic pressures: Normal operation _____ Minimum _____ Maximum _____ psi bar

14 Required rotation: 180° 360° Other _____

15 Hydraulic fluid: Standard petroleum-based Synthetic or Other (Specify) _____

16 Is the hydraulic fluid compatible with nitrile/polyurethane seals and glass reinforced nylon bearing materials? Yes No

17 Hydraulic fluid operating temperatures: Minimum _____ Maximum _____ Fahrenheit Celsius

18 Environmental temperatures: Minimum _____ Maximum _____ Fahrenheit Celsius

19 Maximum bearing loads that will be applied to the actuator

Thrust load: _____ lb kg

Radial load: _____ lb kg

Moment load: _____ in-lbs Nm

The Oilgear Company (Oilgear) does not assume any responsibility beyond the design and performance of its rotary actuator product due to the unlimited variety of operating conditions an applications. The customer is solely responsible for the final selection of any Oilgear product or system and its suitability for the application in question.

The overall integrity of the installation, and the application's safety, and compliance with industry standards and warning requirements are the ultimate responsibility of the customer. The customer is solely responsible for the engineering of mating structures, fasteners, and other associated components related to the installation of the product and its ultimate application. Oilgear recommends that prototype testing be conducted to verify installation integrity. Testing with applied loads that equal or exceed the static and dynamic load frequency and intensity are recommended to determine the suitability of the actuator for the application.

Documents or information provided by The Oilgear Company, its subsidiaries or authorized distributors are intended for users having technical expertise. It is important to thoroughly analyze all aspects of your application and review current product information.