

**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.