

## CUSTOM LUBRICATION DATA SHEET

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Project Name: \_\_\_\_\_  
Requested By: \_\_\_\_\_  
Phone No: \_\_\_\_\_

I DESIGN STANDARDS REQUIRED: API or ASME  
NO \_\_\_\_\_ YES \_\_\_\_\_ Applicable Standard No. \_\_\_\_\_

II MECHANICAL COMPONENTS:

Water Cooler ASME Design YES \_\_\_\_\_ NO \_\_\_\_\_  
Filter ASME Design YES \_\_\_\_\_ NO \_\_\_\_\_

Special Materials Requirement \_\_\_\_\_ Reservoir \_\_\_\_\_ Piping \_\_\_\_\_  
Foot Print Size of Reservoir \_\_\_\_\_ Length x Width \_\_\_\_\_  
Reservoir Volume/ Size \_\_\_\_\_ Gallons \_\_\_\_\_

III SYSTEM OPERATING CONDITIONS:

Max. Temperature of Ambient Air \_\_\_\_\_ °F  
Min. Oil Operating Temperature: \_\_\_\_\_ °F.  
Max. Oil Operating Temperature: \_\_\_\_\_ °F.  
Coolant Fluid (water): Min. Temp: \_\_\_\_\_ °F. Max. Temp: \_\_\_\_\_ °F.

IV LUBRICATION FLUID TYPE and PROPERTIES:

Type of Fluid (ex. ISO VG 64 Oil)  
Fluid Viscosity Characteristics: \_\_\_\_\_ SUS \_\_\_\_\_ °F.

V HEAT LOAD/ COOLER DESIGN:

Heat Load (in Horsepower): \_\_\_\_\_ Horsepower  
Required Oil Flow Delivery (to Bearing) \_\_\_\_\_ GPM  
Required Oil Pressure (to Bearing) \_\_\_\_\_ PSIG

Max. Permissible Pressure Drops:

Cooler's Oil \_\_\_\_\_ PSID  
Cooler's Coolant \_\_\_\_\_ PSID

Type of Coolant Fluid other than water:

Note: Supply to Trola-Dyne Fluid Data Information Sheet

VI ELECTRIC MOTOR & PUMP REQUIREMENTS:

Primary Motor  
Housing Type TEFC, OPDP, or TENV etc... \_\_\_\_\_  
Supplied Power: \_\_\_\_\_ VAC \_\_\_\_\_ Phases \_\_\_\_\_ Hz

Backup Pump Motor: Required? Yes \_\_\_\_\_ No \_\_\_\_\_  
Housing Type TEFC, OPDP, etc... \_\_\_\_\_  
Supplied Power: \_\_\_\_\_ VAC or DC \_\_\_\_\_ PHASES \_\_\_\_\_ Hz  
If DC Motors are required, Specify \_\_\_\_\_ VDC  
Operating Voltage Range of the DC Supply: \_\_\_\_\_

Max. Temperature of location of Motors: \_\_\_\_\_ °F.

Special Comments: \_\_\_\_\_

**VII OIL RESERVOIR ELECTRIC HEATER POWER:**

Power: \_\_\_\_\_ VAC \_\_\_\_\_ Phases \_\_\_\_\_ Hz

Sizing Requirements for Heater

Note: Max Heat Flux into Fluid \_\_\_\_\_ Special \_\_\_\_\_

(Normally 10 WATTS/ Sq. In.),

**VIII PUMP DISCHARGE FILTRATION:**

Filtration required on Skid? Yes \_\_\_\_\_ No \_\_\_\_\_

Duplex Type Filter Yes \_\_\_\_\_ No \_\_\_\_\_

Filtration Level \_\_\_\_\_ Microns Absolute

Electrical Diff. Press. Indicator Yes \_\_\_\_\_ No. \_\_\_\_\_

Special Filtration Comments: \_\_\_\_\_

**IX REQUIRED ADDITIONAL SENSORS OR GAUGES:**

Sensor	Type of Device Mounting	Type of Fluid	Location of Sensor
Flow			
Level			
Pressure			
Temperature			
Oil Cleanliness Level			
Loss of Main Pump			
Special Sensor			

**X Additional Design Requirements:**

- 1) Remote Mounting Of The Pump (S) From the Reservoir \_\_\_\_\_
- 2) Supply Of Return Oil Filtration Filters \_\_\_\_\_
- 3) Supply Of Oil Sampling Ports \_\_\_\_\_
- 4) Special Remote Monitoring Sensors (Pressure, Flow, Level, Etc.) \_\_\_\_\_
- 5) Additional Reservoir Breather Filters \_\_\_\_\_
- 6) System Max. Permissible Sound Level. \_\_\_\_\_
- 7) Device Identification Name Tag Requirements \_\_\_\_\_
- 8) Special Safety Lock-Out Or Isolation Valves \_\_\_\_\_
- 9) Interface Connector Requirements (SAE Or ANSI Flanges Etc.)  
Type of Permissible Hydraulic Connectors to Use on the Lube Skid  
Or Fluid Quick Disconnect Fittings Requirements  
\_\_\_\_\_  
\_\_\_\_\_

- 10) Special Fluid Seal Requirements \_\_\_\_\_
- 11) Reservoir Vibration Isolation \_\_\_\_\_  
Mounts \_\_\_\_\_
- 12) Reservoir Size Limitations \_\_\_\_\_  
Supply Trola-Dyne a Sketch  
Of The Required System Layout

XI SPECIAL MATERIALS TESTING OR HARDWARE CERTIFICATIONS REQUIREMENTS:

List the specific requirements and applicable standards for all special Non Destructive Testing such as: Magnetic Particle or radiography to verify the integrity of the welds or other additional types of special testing to locate manufacturing defects. Define additional requirements for Mill Certifications etc.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

XII SPECIAL FUNCTIONAL TESTING REQUIREMENTS OF THE ASSEMBLY:

List the specific functional testing requirements to be completed at the factory for the assembled unit.

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\_\_\_\_\_

XIII SPECIAL FINAL DRAWING REQUIREMENTS OF THE ASSEMBLY:

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