



## Air Cooled Oil Cooler Application Request

(For air to oil heat exchangers)

Please fill out form as completely as possible. Fax completed form to 434-757-1810

[ Contact Name \_\_\_\_\_ ] Telephone \_\_\_\_\_ ] Date \_\_\_\_\_

[ Company Name \_\_\_\_\_ ] Fax \_\_\_\_\_

[ Address \_\_\_\_\_ ] Email \_\_\_\_\_

### Liquid Side

### Air Side

[ 1. Fluid Type \_\_\_\_\_ ]

[ 6. Altitude \_\_\_\_\_ ]

Helpful information if available

[ a) Specific Gravity \_\_\_\_\_ ]

[ b) Viscosity \_\_\_\_\_ ]

[ c) Conductivity \_\_\_\_\_ ]

[ d) Specific Heat \_\_\_\_\_ ]

[ 7. Flow Rate \_\_\_\_\_ ]

[ 2. Flow Rate \_\_\_\_\_ ]

[ 8. Temperature In \_\_\_\_\_ ]

[ 3. Temperature In \_\_\_\_\_ ]

[ 9. Temperature Out \_\_\_\_\_ ]

[ 4. Desired Temperature Out \_\_\_\_\_ ]

10. Fan Drive     Electric     Hydraulic

[ a) Motor Specs \_\_\_\_\_ ]

[ b) Allowable dbA \_\_\_\_\_ ]

[ 5. Heat Load \_\_\_\_\_ ]

Location of Heat Exchanger in System

(check one)

Return Line

Off Loop (Kidney Loop)

Other (specify) \_\_\_\_\_

Number of units allowable for application

Single unit     Two or more units (in series or parallel)

[ Material or Series Requirements \_\_\_\_\_ ]

Maximum Allowable Pressure Drop

[ Liquid Side \_\_\_\_\_ ] [ Air Side \_\_\_\_\_ ]

[ 11. Comments \_\_\_\_\_ ]

1. Fluid Type - Specific type of fluid to be cooled (such as hydraulic or lubrication oil).
2. Flow Rate - The rate of flow of the fluid to be cooled (such as GPM (gallons per minute)).
3. Temperature In - The temperature of the incoming hot fluid entering the heat exchanger.
4. Desired Temperature Out - The temperature of the exiting cooled fluid from the heat exchanger.
5. Heat Load - The amount of heat to be removed from the hot liquid (such as HP (horse power), Btu/hr.)
6. Altitude - Elevation above sea level that the heat exchanger will operate at.
7. Flow Rate - The rate of flow of the air used for cooling (such as SCFM (standard cubic per minute)).
8. Temperature In - The temperature of the incoming cold air entering the heat exchanger.
9. Temperature Out - The temperature of the heated cold air exiting the heat exchanger.
10. Fan Drive - Motor type specified to drive the fan.
11. Comments - Please fill in any additional information that would assist in sizing the heat exchanger.