

## Sizing a Hydraulic Oil Cooler

1. Find the system oil flow (GPM).
2. Size heat exchanger to remove approximately 30% of input horsepower.

To find input horsepower, multiply the system pressure (PSI) times the system flow (GPM), then divide by 1714 ( $\text{PSI} \times \text{GPM} \div 1714$ ).

To find an approximation of the BTU removed, multiply the horsepower heat removed by 2545.