Vertical lube oil pumps built to your specifications.

Our vertical lube oil pumps are built to customers’ stringent specifications. These highly reliable pumps require low maintenance and offer low total life cycle costs. Hydraulic performance extends to 2,400 GPM and 1,350 ft. TDH, with operation at speeds of up to 3,550 RPM. The VLO is designed to accept AC or DC motors.

The basic VLO designs consist of a pump wet end, column, bearing frame, motor mounting bracket and top plate. Multistage models include diffusers for efficiency and minimization of radial loads. All models feature bearings above the liquid surface and full compatibility with NEMA standard ‘C’ face motors. Options include oversized discharge piping, and fabricated or cast suction strainers.

All lube oil pumps are thoroughly tested simulating the customer’s conditions of operations in our in-house test lab, which is equipped for water, oil and high-temperature testing.

### STANDARD MATERIALS

<table>
<thead>
<tr>
<th>Component</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing</td>
<td>Cast Iron</td>
</tr>
<tr>
<td>Impeller</td>
<td>Cast Iron, Bronze or SS</td>
</tr>
<tr>
<td>Piping</td>
<td>Carbon Steel or 316 SS</td>
</tr>
<tr>
<td>Throttle Bushing</td>
<td>Bronze</td>
</tr>
<tr>
<td>Top Plate</td>
<td>Carbon Steel or 316 SS</td>
</tr>
<tr>
<td>Shaft</td>
<td>Carbon Steel or 316 SS</td>
</tr>
<tr>
<td>Shaft Sleeve</td>
<td>Bronze</td>
</tr>
</tbody>
</table>

Other materials of construction available upon request.

### MECHANICAL DATA

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Power</td>
<td>Up to 200 HP</td>
</tr>
<tr>
<td>Bearing Lubricant</td>
<td>Grease or Oil</td>
</tr>
<tr>
<td>Coating</td>
<td>To Customer Specifications</td>
</tr>
<tr>
<td>Discharge Connection</td>
<td>Class 150 ANSI Flange or</td>
</tr>
<tr>
<td></td>
<td>Class 300 ANSI Flange</td>
</tr>
</tbody>
</table>

![Intertek](https://example.com/intertek.png)  
Approval Certification Number 95-370  
European Community Certificate

![Carver Pump](https://example.com/carver_pump.png)  
Built for purpose
1. **STRAINER**
   Standard fabricated or optional cast alloy strainer

2. **IMPELLER**
   High-efficiency design in cast iron, bronze or stainless steel

3. **SHAFTS**
   Carbon steel or 316 stainless steel

4. **BEARINGS**
   Grease or oil lubricated ball bearings located above the tank for easy maintenance

5. **CONNECTIONS**
   ANSI discharge flanges for all sizes

6. **MOTOR BRACKET**
   Heavy duty, cast iron motor bracket supports bearings above the tank surface, isolating them from contamination

**HYDRAULICS**

- Flows to 2,400 US GPM (545 m³/hr)
- Heads to 1,350 Feet (411 m)
- Efficiencies to 85%
- Power to 200 HP (149 KW)
- Speeds up to 3,550 RPM

**APPLICATIONS**

- Industrial
- Power Generation
- Lube Oil Supply for Rotating Equipment

Contact us

2415 Park Avenue
Muscatine, Iowa 52761
USA
(563) 263-3410
sales@carverpump.com
www.carverpump.com