

CJV#1956

National Oilwell 300HP Oil Shipping Pump Package



When is the last time you saw a used pump that was TRULY field ready? This National 300Q-5M pump was in LACT service until 2016; it was shut down only because of a change of business structure as all the oil now is being handled just down the road by a 3rd party processor. We did an in depth inspection and have determined that this pump, if the plunger size works for you, is ready to re-deploy today. The package has no measurement systems as it was performed in a separate building on site.

Located in west-central Alberta it can be on a truck and moved out quickly – If you need it re-configured for a slightly different use, let us help you with any piping and layout changes as needed or ship it a shop of your choice. Fully wired to JB's for additional savings on site. Check out the 3D tour of this one (last page) and call us today!

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National Oilwell 300HP Oil Shipping Pump Package



| | |
|---------------------|---|
| Condition | Field run/Minor repairs needed. |
| Location | Devon, Alberta |
| Availability | Immediate |
| Service | Sour |
| Piping | 6" 150# Inlet; 4" 600# Outlet |
| Electrical | Current 300hp, 1185 rpm electric motor is 2300/4160 Volts. |
| Dimensions | Building/skid is 19'3" long x 17'4" wide. 15' shipping height |



Take a 3D walkthrough at <https://bit.ly/3f5hFUp>

Pump & Accessories

MAIN PUMP, MOTOR AND EQUIPMENT

Quintuplex pump:

- National 300Q-5M
- Aluminum Bronze Fluid End
- Currently has 2.750" Ceramic Plungers
- Maximum Continuous RPM Rating: 450RPM
- Rated for 300HP Continuous Duty
- Sheave Kit and V-Belt Drive
- Steel Belt Guard
- 5 Feed Lubricators w/ 55 Gal Oil Reservoir
- Suction & Discharge 300cu In Stabilizers

Pump Notes:

Pump Motor:

- TECO Westinghouse 300 HP Electric Motor
- TEFC; 1185RPM
- 2300/4160 Volts/3/60VAC
- We inspected both the main bearings and 3/5 rod bearings – all are in adequate condition to go back into service as is.
- Cross head clearance is good at 0.012" on all five.
- suction & discharge valve are spherical and in great shape. The valve pots are in excellent condition as well.
- More internal inspection notes are available for review

| Model | Plunger | Gal/Rev | Max PSI | Max kPa | 100 RPM | | 200 RPM | | 250 RPM | | 300 RPM | | 350 RPM | | 400 RPM | |
|---------------------|---------|---------|---------|---------|-------------------|------|-------------------|------|-------------------|------|-------------------|------|-------------------|------|-------------------|------|
| | | | | | m ³ /d | GPM | m ³ /d | GPM | m ³ /d | GPM | m ³ /d | GPM | m ³ /d | GPM | m ³ /d | GPM |
| National 300Q-5L | 4.0" | 136 | 851 | 5867 | 741 | 136 | 1483 | 272 | 1853 | 340 | 2224 | 408 | 2595 | 476 | 2965 | 544 |
| | 3.75" | 11953 | 969 | 6681 | 651 | 120 | 1303 | 239 | 1629 | 299 | 1955 | 359 | 2281 | 418 | 2606 | 478 |
| | 3.5" | 10412 | 1112 | 7667 | 567 | 104 | 1135 | 208 | 1419 | 260 | 1703 | 312 | 1986 | 364 | 2270 | 417 |
| | 3.25" | 0.8978 | 1290 | 8894 | 489 | 89.8 | 979 | 180 | 1224 | 225 | 1468 | 269 | 1713 | 314 | 1957 | 359 |
| | 3.0" | 0.765 | 1514 | 10439 | 417 | 76.5 | 834 | 153 | 1042 | 191 | 1251 | 230 | 1459 | 268 | 1668 | 306 |
| | 2.75" | 0.6428 | 1650 | 11376 | 350 | 64.3 | 701 | 129 | 876 | 161 | 1051 | 193 | 1226 | 225 | 1401 | 257 |
| National 300Q-5M | 2.75" | 0.6428 | 1801 | 12417 | 350 | 64.3 | 701 | 129 | 876 | 161 | 1051 | 193 | 1226 | 225 | 1401 | 257 |
| | 2.5" | 0.5312 | 2180 | 15031 | 289 | 53.1 | 579 | 106 | 724 | 133 | 869 | 159 | 1013 | 186 | 1158 | 213 |
| | 2.25" | 0.4303 | 2691 | 18554 | 234 | 43 | 469 | 86.1 | 587 | 108 | 704 | 129 | 821 | 151 | 938 | 172 |
| | 2.0" | 0.34 | 3000 | 20684 | 185 | 34 | 371 | 68 | 463 | 85 | 556 | 102 | 649 | 119 | 741 | 136 |
| National 300Q-5H | 2.0" | 0.34 | 3406 | 23484 | 185 | 34 | 371 | 68 | 463 | 85 | 556 | 102 | 649 | 119 | 741 | 136 |
| | 1.75" | 0.2603 | 4449 | 30675 | 142 | 26 | 284 | 52.1 | 355 | 65.1 | 426 | 78.1 | 497 | 91.1 | 567 | 104 |
| | 1.5" | 0.1912 | 5000 | 34474 | 104 | 19.1 | 208 | 38.2 | 261 | 47.8 | 313 | 57.4 | 365 | 66.9 | 417 | 76.5 |
| Brake HP Required | | | | | 76 | | 151 | | 188 | | 225 | | 263 | | 300 | |

Building and Electrical

INSTRUMENTATION

- Suction & Discharge pressure Indicators
- Discharge Pressure & Temperature Transmitters
- CCS snap switches for Low/High Suction & Discharge Pressures
- Murphy High Vibration Switch
- Murphy EX Low Oil Level Shutdown
- Sump Level Switch

SKID

- 19'3" long x 17'4" wide
- Checker Plate Flooring
- 2" Drip Lip Around Skid
- One (1) Open Sumps
- Sump: High Level Sump Switch
- Skid does not have lifting lugs and may not be heavy enough to add lifting lugs for lifting. Skid likely needs to be jack & rolled. A heavier skid could be added under existing skid.

BUILDING

- Gable Style Building
- Ice Rakes
- Four (4) 12" x 18" Louvers w/ closers
- Two (2) Single Man Door
- One (1) Roll up overhead Door

ELECTRICAL

- Two (2) Interior Lights w/ Switches
- Two (2) Exterior Lights w/ Switches
- One (1) High Mount Exhaust Fan w/ switch
- One (1) Low Mount Exhaust Fan w/ switch
- One (1) 120V Electrical Receptacle
- One (1) ESD Buttons
- One (1) Roughneck XP heaters w/ thermostats

END DEVICES CONNECTED TO JB'S

- One (1) pressure transmitter - Discharge
- One (1) Temperature transmitter - Discharge
- Two (2) CCS Snap Switches - High/Low Discharge
- Two (2) CCS Snap Switches - High/Low Discharge
- One (1) oil level switch low
- One (1) sump level switch











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