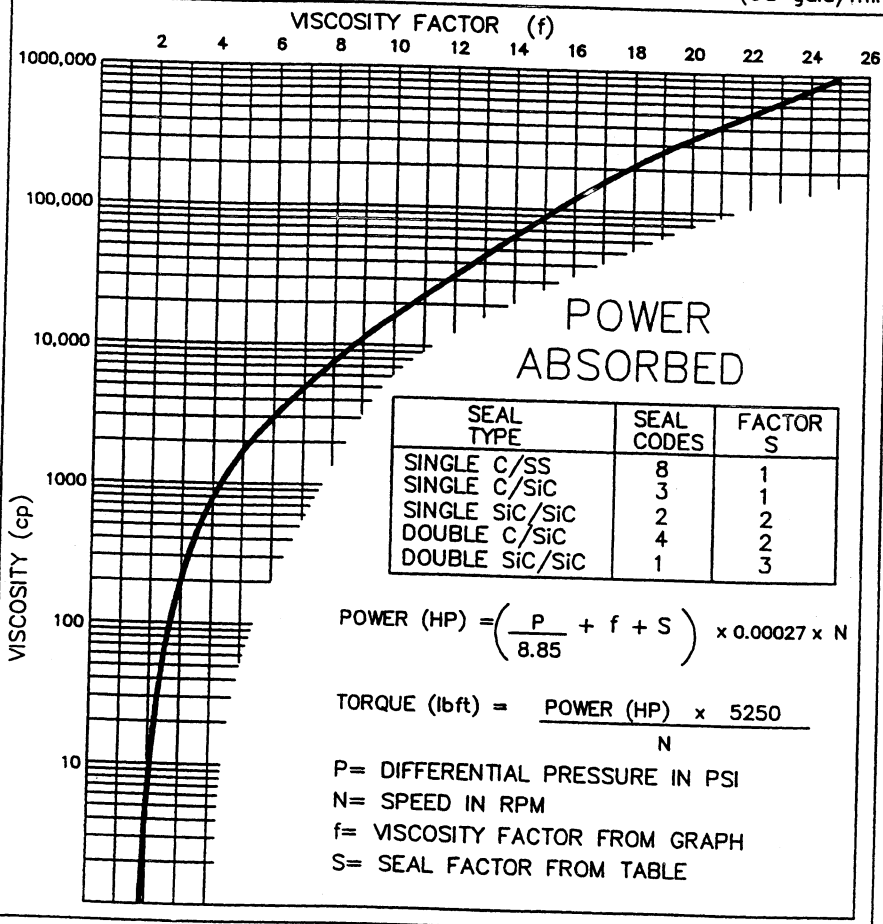
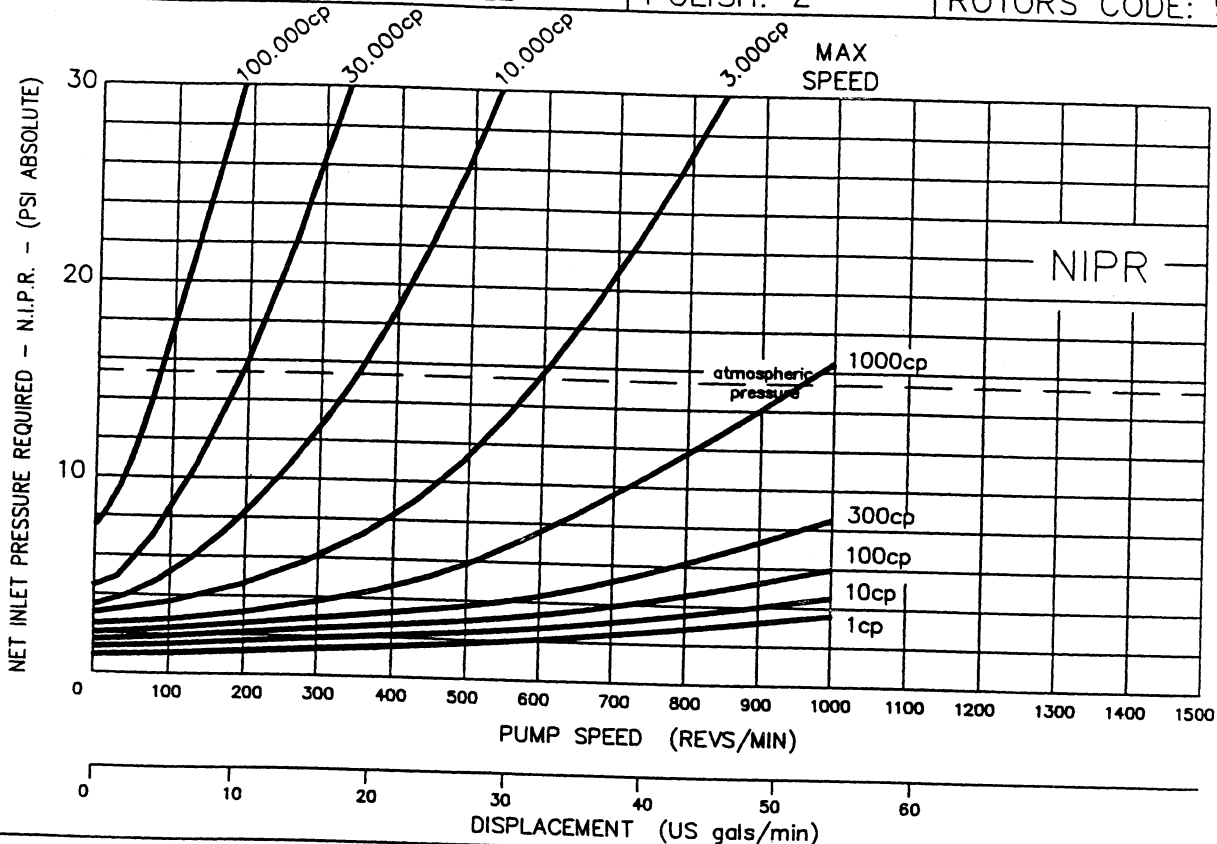


SIZE: 44

SEAL TYPES: ALL

POLISH: Z

ROTORS CODE: 9



POWER (HP) =  $\left( \frac{P}{8.85} + f + S \right) \times 0.00027 \times N$

TORQUE (lbft) =  $\frac{\text{POWER (HP)} \times 5250}{N}$

P = DIFFERENTIAL PRESSURE IN PSI  
 N = SPEED IN RPM  
 f = VISCOSITY FACTOR FROM GRAPH  
 S = SEAL FACTOR FROM TABLE

APPLICATION DATA

- MAX INPUT SHAFT TORQUE (lbft) 44
- MAX SHAFT RADIAL LOAD (lb) 63
- MAX SOFT PARTICLE DIA (in) 0.4
- DISPLACEMENT (cubic in/rev) 12
- DISPLACEMENT (US gals/100revs) 5.4

PHYSICAL DATA

- PUMP WEIGHT HY~LINE (lb) 44
- PUMP WEIGHT ULTIMA (lb) 55
- OIL CAPACITY (cubic in) 61
- HOLD UP VOLUME (cubic in) 11

TIGHTENING TORQUES (lbft)

- END COVER BOLTS (123) 15
- ROTOR RETAINER SCREWS (HY~LINE)(59) 40
- ROTOR CASE SCREWS (52) 7
- GEAR COVER SCREWS (18) 6
- GEAR NUTS (8) 37
- ROTOR TIE ROD NUTS (ULTIMA)(26&27)15

ROTOR CLEARANCES (in)

- FRONT, ROTOR TO END COVER 0.005
- RADIAL, ROTOR TO ROTOR CASE 0.008
- MESH, LOBE TO LOBE - MIN 0.008

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