



## Baker Hughes, Incorporated

7655 East 46th St.  
Tulsa, OK, USA

Tested to API RP11S2 1997

Tested to BHI Engineering Specification ES 517

Stage Type: TE-4200:COMP Stages: 23  
 Serial Number: 15074163 NEW Pump  
 Well Name: none Well ID: none  
 Customer: M4  
 Remarks: TM-4200

Date Tested: 11/25/2019  
 Tested By: smitbarj

BPD and HEAD are corrected to density=1.0  
 Rate, Head and BHP are corrected to 3500 rpm

### TEST DATA

| Test Point | Flow (BPD) | Head (ft) | Power (HP) | Eff (%) |
|------------|------------|-----------|------------|---------|
| 1          | 9.9        | 62.6      | 1.16       | 0.393   |
| 2          | 1296       | 66.3      | 1.55       | 40.76   |
| MIN        | 2579       | 68.7      | 2.27       | 57.39   |
| BEP        | 4152       | 62.5      | 2.83       | 67.42   |
| MAX        | 5436       | 46.7      | 3.11       | 60.02   |
| 6          | 6532       | 27.5      | 3.34       | 39.55   |
| 7          | 7520       | 8.71      | 3.35       | 14.38   |

### PERCENT DEVIATION/LIMITS

Deviation (%) / API Limit (%)

|     |      |              |             |              |
|-----|------|--------------|-------------|--------------|
| MIN | 2600 | -3 / -5.0%   | .0 / 8.0%   |              |
| BEP | 4200 | -1 / -5.0%   | -1.8 / 8.0% | 1.7 / -10.0% |
| MAX | 5400 | -1.0 / -5.0% | -3.6 / 8.0% |              |

### VIBRATION DATA (in/sec)

|             | Top   | Middle | Bottom | Limit |
|-------------|-------|--------|--------|-------|
| Full Speed: | 0.052 | 0.069  | 0.038  | 0.156 |
| Half Speed: | 0.005 | 0.006  | 0.008  | 0.1   |

TE-4200:COMP Pump Performance- ONE stage @ 3500 RPM and SG=1.0

