



## TABLE DE CONVERSION PRESSION/COUPLE

Affectée à la clé **MXTP 01** N°MP01TR2342-278

avec carré de 3/4"

Suivant constat de vérification du **22/01/2024**

Constat n° **1-20K-240122141334**

Mise en service le **02/12/2024**

Régler la pression choisie sur la pompe pour obtenir le couple souhaité.

**Exemple: pour obtenir 599Nm il faut régler la pression de la pompe à 220 bars ou 3200 PSI**

| PSI   | BAR | Couple en Nm |
|-------|-----|--------------|
| 1000  | 70  | 183          |
| 1200  | 84  | 219          |
| 1400  | 98  | 256          |
| 1600  | 110 | 302          |
| 1800  | 124 | 339          |
| 2000  | 138 | 377          |
| 2200  | 152 | 415          |
| 2400  | 165 | 452          |
| 2600  | 179 | 487          |
| 2800  | 193 | 524          |
| 3000  | 207 | 561          |
| 3200  | 220 | 599          |
| 3400  | 234 | 636          |
| 3600  | 248 | 676          |
| 3800  | 262 | 714          |
| 4000  | 276 | 751          |
| 4200  | 290 | 789          |
| 4400  | 303 | 826          |
| 4600  | 317 | 881          |
| 4800  | 331 | 919          |
| 5000  | 345 | 957          |
| 5200  | 358 | 996          |
| 5400  | 372 | 1034         |
| 5600  | 386 | 1045         |
| 5800  | 400 | 1083         |
| 6000  | 414 | 1120         |
| 6200  | 427 | 1157         |
| 6400  | 441 | 1195         |
| 6600  | 455 | 1238         |
| 6800  | 468 | 1275         |
| 7000  | 482 | 1313         |
| 7200  | 496 | 1350         |
| 7400  | 510 | 1388         |
| 7600  | 524 | 1422         |
| 7800  | 538 | 1460         |
| 8000  | 552 | 1497         |
| 8200  | 565 | 1534         |
| 8400  | 579 | 1572         |
| 8600  | 593 | 1607         |
| 8800  | 607 | 1644         |
| 9000  | 620 | 1681         |
| 9200  | 634 | 1719         |
| 9400  | 648 | 1756         |
| 9600  | 662 | 1750         |
| 9800  | 676 | 1786         |
| 10000 | 690 | 1822         |

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Hustach

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# HYTORC

## CERTIFICATE OF CALIBRATION

HYTORC Division, UNEX Corporation  
100 Wesley St.  
South Hackensack, New Jersey 07606  
Phone: 201-512-9500

PJLA Accreditation #66167

CUSTOMER HYTORC South Hackensack, 100 Wesley St., South Hackensack, New Jersey 07606, P.O. #  
USA W.O. #  
MANUFACTURER HYTORC SERIAL # MP01TR2342-278  
TOOL MODEL MXTP-01 ASSET # N/A  
STATED ACCURACY  $\pm 3\%$  OF HYTORC STANDARD PRESSURE/TORQUE CONVERSION CHART  
TORQUE RANGE 204 to 1,359 Lb.ft PRESSURE RANGE 1,500 to 10,000 psi

### PROCEDURE AND METHOD USED

319 Hydraulic Torque Tool Calibration R3.0 Version 3.0

### CALIBRATION EQUIPMENT USED

Torque Specialties TORQUE MASTER Automated Hydraulic Calibration System

[ X ] TSD20011, s/n 5671, 0 to 20000 ft.lb. Torque Cell with TSD6500-2 s/n 20632 Instrument, NIST Traceability Reference # 500920, Calibration Date: 02/22/2023, Calibration Due Date 07/2024, Accuracy within  $\pm 0.75$  Indicated Value.

[ X ] TSD10KPT, s/n 98315, 0 to 10000 psi Pressure Transducer with TSD6500-2 s/n 20632 Instrument, NIST Traceability Reference # 500919, Calibration Date: 02/22/2023, Calibration Due Date 07/2024, Accuracy within  $\pm 0.25$  Indicated Value.

Calibration performed at Temperature 72°F

Relative Humidity 28%

| Pressure [psi] | HYTORC Standard Torque [Lb.ft] | As Found / As Left Torque [Lb.ft] | MIN Torque [Lb.ft] | MAX Torque [Lb.ft] |
|----------------|--------------------------------|-----------------------------------|--------------------|--------------------|
| 1,500          | 204                            | 202 ✓                             | 197                | 210                |
| 2,000          | 274                            | 278 ✓                             | 265                | 282                |
| 3,000          | 415                            | 414 ✓                             | 402                | 427                |
| 4,000          | 556                            | 554 ✓                             | 539                | 572                |
| 5,000          | 696                            | 706 ✓                             | 675                | 716                |
| 6,000          | 832                            | 826 ✓                             | 807                | 856                |
| 7,000          | 967                            | 968 ✓                             | 937                | 996                |
| 8,000          | 1,100                          | 1,104 ✓                           | 1,067              | 1,133              |
| 9,000          | 1,231                          | 1,240 ✓                           | 1,194              | 1,267              |
| 10,000         | 1,359                          | 1,344 ✓                           | 1,318              | 1,399              |

AS FOUND / AS LEFT tool MXTP-01 serial# MP01TR2342-278 is WITHIN STANDARDS OF ACCURACY

CALIBRATED BY: DERRICK MCFADDEN

APPROVED BY: Pietro Barcia  
Lab Manager

CERTIFICATE #: 1-20K-240122141334

CALIBRATION DATE: January 22, 2024

UNCERTAINTY: 0.6% of reading

DATE TOOL PUT IN SERVICE: \_\_\_\_\_

Calibrations are in accordance with requirements of ISO/IEC 17025:2017. Calibration results were obtained using equipment capable of producing results that are traceable to NIST and through NIST to the International System of Units (SI). Expanded uncertainties expressed at approximately 95% confidence levels using a coverage factor K=2 was accounted for in making compliance/non compliance decision with specification, and are available upon request within 30 days of calibration date. Results are valid only to the above item calibrated at the time of test. This certificate shall not be reproduced except in full without the written permission of HYTORC Division, UNEX Corporation. Pass/Fail results are based on +/- tolerance only. Many factors may cause an item to drift out of tolerance before the next scheduled calibration.

(created with HY-Cal v1.0.0)