Test Equipment:-
Automotive - Industrial - Defence
Training Services:-
Technical - Commercial - Quality
On-Site Calibration

Declaration of Conformance

In accordance with ISO 6789-1:2017

Oakrange Calibration
Manor Farm,
Blyth Rd,Oldcotes,
Nottinghamshire. S81 8JA
Telephone: 01709 542334
info@oakrange.co.uk

Certificate No. : A246877E
Prepared For : Any Truck Dealer
Prepared By : Oakrange Engineering Ltd.

Issued Date : 23-01-2026
Location : Workshop
Environmental : Ambient Temperature.

INSTRUMENT TESTED

Identity No. : 79118453271
Calibration Date : 23/01/2026
Recal Due Date : 23/07/2026
Direction of Operation: CW

Description : Torque Wrench DOC
Size: 300 - 1000 Nm 5RN Norbar
Type: II Class: A

REFERENCE INSTRUMENT

Identity No. : 47373
Calibration Cert : 278165
Calibration Date : 22-03-2025
Recal Due Date : 22/03/2026
Traceability : UKAS

Description : Norbar Smart Block
Size : N/A
Issued By : Norbar Torque Tools Ltd.
Accuracy : 0.1 LBFT / 0.1 NM
Max Error : +0.75%
Measurement Uncertainty Interval: 1.41%

Calibration procedures. Based on ISO 6789-1:2017. (Spec. for manually operated Torque Wrenches.)
Clean Torque Wrench. Test Torque Wrench Five Times at each of the following: -

(A) The minimum torque value of; 20% or less of the maximum torque value.
(B) The mid point of the maximum and minimum torque values.
(C) The maximum torque value.
(D) The five mean values at each point are recorded.
(E) Tolerances are +/- 4% above 10 Nm and +/- 6% below 10 Nm.

Ambient Conditions: Temp: °C Humidity: %

The maximum relative measurement error of the torque measurement device (+0.93%) is less than a ¼ of the maximum permissible relative deviation of the torque tool (±4.00%)

ADJUSTMENTS MADE: New Handle nuts fitted

CALIBRATION RESULTS:

UNITS :Nm

	300 Nm	Deviation		600 Nm	Deviation		1000 Nm	Deviation	
	Measured	Nm	%	Measured	Nm	%	Measured	Nm	%
1	305.6	5.60	1.87%	608.2	8.20	1.37%	1013.6	13.60	1.36%
2	302.7	2.70	0.90%	609.3	9.30	1.55%	1012.4	12.40	1.24%
3	304.5	4.50	1.50%	606.4	6.40	1.07%	1015.4	15.40	1.54%
4	306.2	6.20	2.07%	604.7	4.70	0.78%	1014.7	14.70	1.47%
5	304.6	4.60	1.53%	606.3	6.30	1.05%	1013.9	13.90	1.39%

Effective length of interchangeable element: 17.5mm
Maximum deviation: See results above
Result: OK

The readings given are the results at the time of calibration and do not carry any implication regarding the long term stability of the instrument.

Calibration Engineer: Luke Priestley