

# The fatigue life test report

NuoMeng laboratory

Test NO.: NMT20180623001

Date: 5-July-18

Source of sample:Product department

Production batch: 20180623

Name of sample:Lift gas spring

Sampling qty: 2PC

Specification: 4160194 / NSG2189L225MT2A12

Testing period: 8 days

Basis of test: GB/T 25751-2010: Normal temperature cycle test. The gas spring is exposed to high /low temperature.  
When stroke is less than 200mm; after 25,000 cycles the force value should not decrease below 13%

## Testing requirements:

test condition:

1、 temperature 20°C, 30%RH

2、 testing method: tube up

Testing equipment: Professional fatigue testing machine

## Test result:

Test Frequency: 5s/time 720times/h

Test requirements: 50000 times

Test date	2018-06-23	2018-06-25	20180627	2018-06-29	2018-07-01	2018-07-02
Number of test	before test	10000	20000	30000	40000	50000
Test data	1087N	1078N declined 9N	1076N declined 11N	1071N declined 16N	1068N declined 19N	1066N declined 21N
		Rate of decline: 0.8%	Rate of decline:1.1%	Rate of decline:1.5%	Rate of decline:1.7%	Rate of decline:1.9%
Appearance	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD

Suzhou NuoMeng Precision Components Co., Ltd

NuoMeng Motion Control N.A Inc.

[info@nuomengco.com](mailto:info@nuomengco.com)

[www.nuomengco.com](http://www.nuomengco.com)