

## DEFLECTION TEST REPORT

**Customer Name :- TATA MOTORS LTD.**

**Address :- MIDC PIMPRI PUNE 411018**

**Equipment Description:**

**Type Of Crane : - Single Girder Goliath Crane**

**Capacity of Crane : - 5 Ton**

**Height of Lift : - 8 MTR**

**Span of Crane : - 10 MTR**

**Location : - E Block, North Side**

**Load Test is done on 100 % Load, by lifting of Dead Load.**

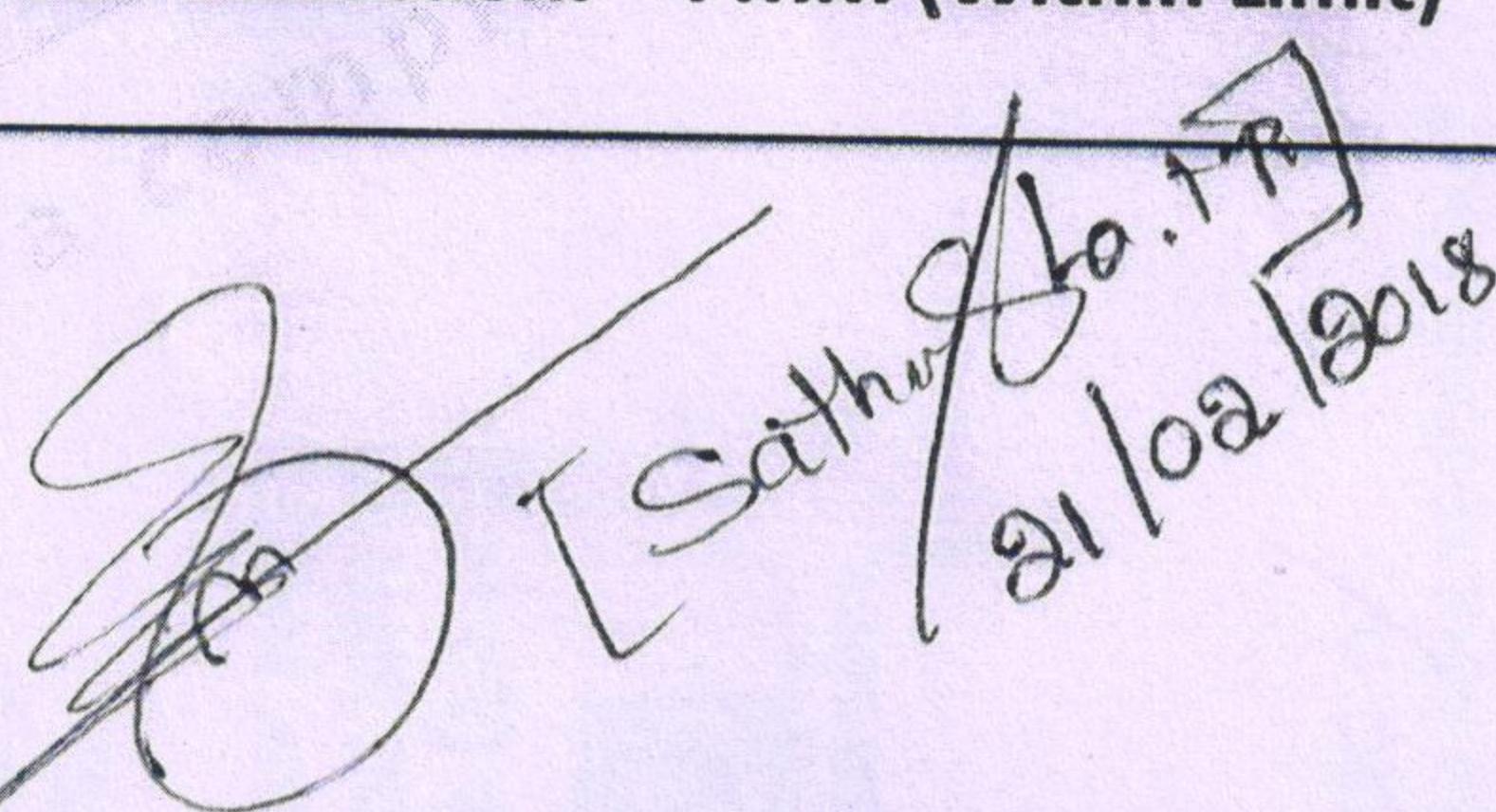
**Test results are OK, and crane can be used for lifting the load up to 5 Ton.**

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**As per IS 807 rule safe deflection is SPAN/750 for over head crane on rated load.**

- 1) Crane Serial No: - SG GC – 16 – 005 – 1350.
- 2) Hoist Model : - SH5016 – 25 4/1
- 3) Hoist Serial No : - 3226198
- 4) Fem Rating : -

**Observed Deflection: - 4 MM (Within Limit)**



Sathish  
21/02/2018

**SIGNATURE OF ERECTION ENGINEER**

**(FOR SPARKLINE EQUIPMENT PVT LTD)**

## DEFLETION TEST REPORT

Customer Name :- TATA MOTORS LTD.

Address :- MIDC PIMPRI PUNE 411018

### Equipment Description :

Type Of Crane :- SG US Crane

Capacity of Crane :- 1 Ton

Height of Lift :- 5 MTR

Span of Crane :- 10.8 MTR

Location :- J 12 Block, North End

Load Test is done on 100% Load, by lifting of Dead Load.

Test results are OK, and crane can be used for lifting the load up to 1 Ton.

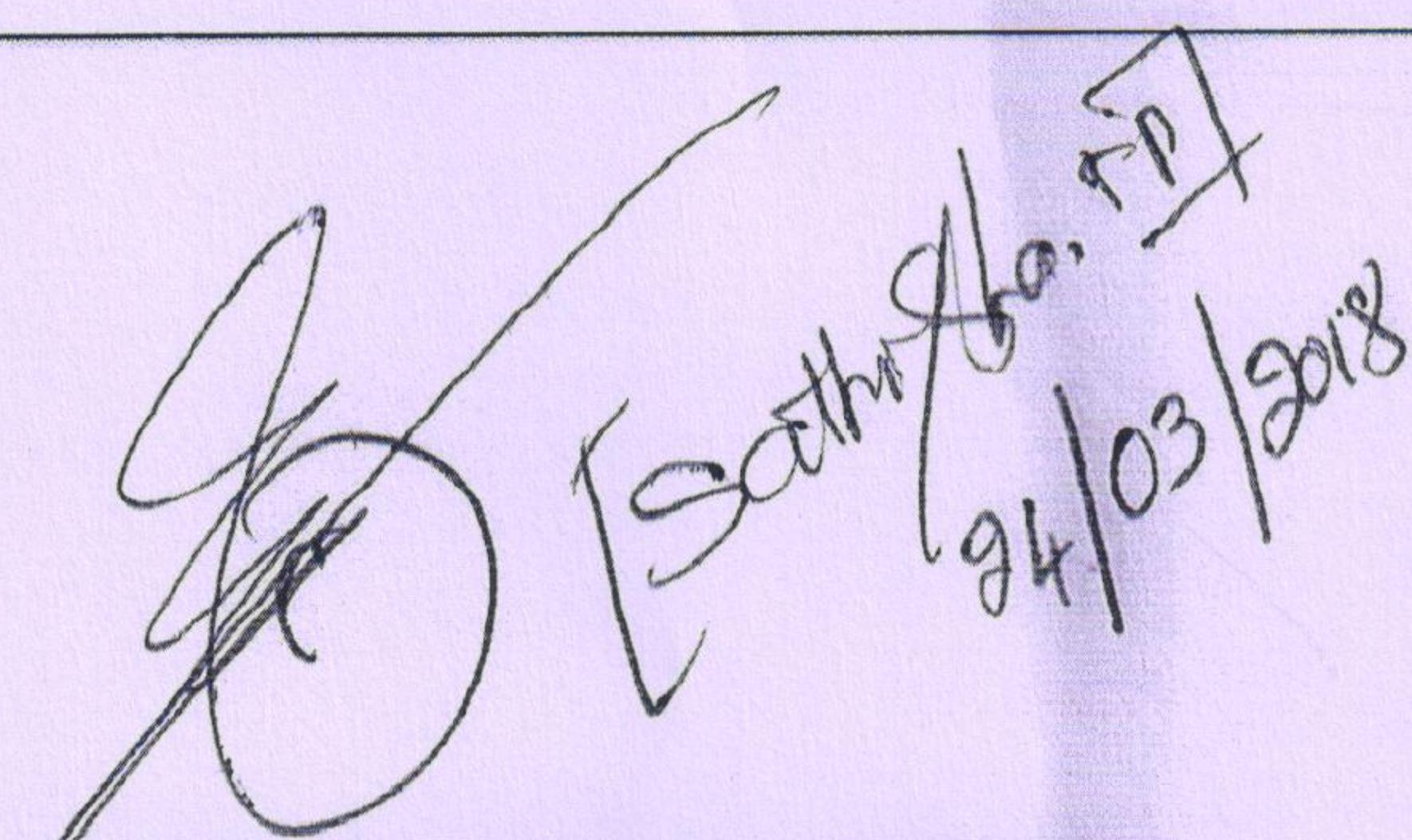
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As per IS 807 rule safe deflection is SPAN/750 for over hade crane on rated load.

- 1) Crane Serial No: - SG US - 17 - 001 - 11410.
- 2) Hoist Model : - ST2010 - 8/2 2/1
- 3) Hoist Serial No : - 3321208
- 4) Fem Rating :-

Observed Deflection: - 4 MM (Within Limit)

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(Sathish No. 50)  
94/03/2018

SIGNATURE OF ERECTION ENGINEER

(FOR SPARKLINE EQUIPMENT PVT LTD)

Received  
\_\_\_\_\_  
Bagan  
Pagar S.M.

### ELECTRICAL TEST REPORT

CUSTOMER NAME	Tata M
PRODUCT DESCRIPTION	SGAC Cearan (ES North)
CRANE NO	
HOIST TYPE & SR NO	SH 5016 - 25T 41, L3 SR.NO. 3226198
CAPACITY	5T
LM NO/CO NO	TMK 062
	DATE: 17/02/2018

TYPE	DESCRIPTION	PHASE	RATED	PHASE	MEASURED	
					NO LOAD	FULL LOAD
H O I S T	UP SLOW	R	18A	R	10.35A	9.97
		Y		Y	9.97A	9.40
		B		B	10.06A	9.30
	DOWN SLOW	R	18A	R	10.40A	10.40
		Y		Y	10.22A	10.37
		B		B	10.00A	10.17
M O T O R	UP FAST	R	19A	R	8.50	8.07
		Y		Y	7.48	7.83
		B		B	7.42	7.53
	DOWN FAST	R	19A	R	13.75	10.82
		Y		Y	12.30	10.37
		B		B	13.45	10.41

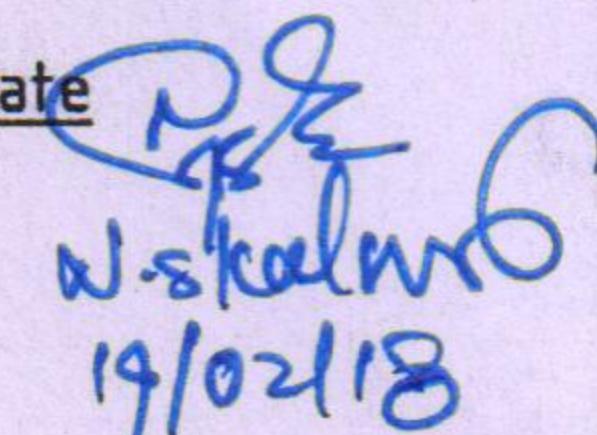
C T M O T O R	DESCRIPTION	PHASE	RATED	PHASE	NO LOAD	FULL LOAD
					NO LOAD	FULL LOAD
C T M O T O R	RIGHT SLOW	R	1A	R	1.00	0.95
		Y		Y	1.00	0.98
		B		B	1.00	0.89
	LEFT SLOW	R	1A	R	1.00	1.00
		Y		Y	1.00	1.00
		B		B	1.00	1.00
	RIGHT FAST	R	1.3A	R	0.95	1.2
		Y		Y	0.98	1.2
		B		B	0.89	1.3
	LEFT FAST	R	1.3A	R	0.91	1.0
		Y		Y	0.98	1.0
		B		B	0.99	1.2

1.2X2 L T M O T O R	DESCRIPTION	PHASE	RATED	PHASE	NO LOAD	FULL LOAD
					NO LOAD	FULL LOAD
1.6X2	FORWARD SLOW	R	2.4	R	2.56	2.50
		Y		Y	2.35	2.31
		B		B	2.35	2.20
	REVERSE SLOW	R	2.4	R	2.40	2.56
		Y		Y	2.35	2.32
		B		B	2.28	2.30
	FORWARD FAST	R	3.2A	R	2.64	2.71
		Y		Y	2.39	2.30
		B		B	2.63	2.30
	REVERSE FAST	R	3.2A	R	2.71	2.60
		Y		Y	2.30	2.15
		B		B	2.30	2.28

Signature of the checking person

Jachin Malage.

Signature of the customer with date



19/02/18

### ELECTRICAL TEST REPORT

CUSTOMER NAME	Tata M
PRODUCT DESCRIPTION	SACG Crane (ES North)
CRANE NO	
HOIST TYPE & SR NO	SH 5016 - 25 - 41, L3 SR.NO. 3226198
CAPACITY	5T
LM NO/CO NO	TMK 062
	DATE: 17/10/2018

TYPE	DESCRIPTION	PHASE	RATED	PHASE	MEASURED	
					NO LOAD	FULL LOAD
H O I S T M O T O R	UP SLOW	R	10A	R	10.35A	9.97
		Y		Y	9.97A	9.40
		B		B	10.06A	9.30
	DOWN SLOW	R	10A	R	10.40A	10.40
		Y		Y	10.22A	10.37
		B		B	10.00A	10.17
	UP FAST	R	19A	R	8.50	8.07
		Y		Y	7.48	7.83
		B		B	7.42	7.53
	DOWN FAST	R	19A	R	13.75	10.82
		Y		Y	12.30	10.31
		B		B	13.45	10.41

C T M O T R	DESCRIPTION	PHASE	RATED	PHASE	NO LOAD	FULL LOAD
					NO LOAD	FULL LOAD
C T M O T R	RIGHT SLOW	R	1A	R	1.00	0.95
		Y		Y	1.00	0.98
		B		B	1.00	0.89
	LEFT SLOW	R	1A	R	1.00	1.00
		Y		Y	1.00	1.00
		B		B	1.00	1.00
	RIGHT FAST	R	1.3A	R	0.95	1.2
		Y		Y	0.98	1.2
		B		B	0.89	1.3
	LEFT FAST	R	1.3A	R	0.91	1.0
		Y		Y	0.98	1.0
		B		B	0.99	1.2

1.2X2 L T M O T R 1.6X2	DESCRIPTION	PHASE	RATED	PHASE	NO LOAD	FULL LOAD
					NO LOAD	FULL LOAD
1.2X2 L T M O T R 1.6X2	FORWARD SLOW	R	2.4	R	2.56	2.50
		Y		Y	2.35	2.31
		B		B	2.35	2.20
	REVERSE SLOW	R	2.4	R	2.40	2.56
		Y		Y	2.35	2.32
		B		B	2.28	2.30
	FORWARD FAST	R	3.2A	R	2.64	2.71
		Y		Y	2.39	2.30
		B		B	2.63	2.30
	REVERSE FAST	R	3.2A	R	2.71	2.60
		Y		Y	2.30	2.15
		B		B	2.30	2.28

Signature of the checking person

Jochen Malage.

Signature of the customer with date

ELECTRICAL TEST REPORT

CUSTOMER NAME	7.5t mafors 11A.
PRODUCT	SCUL-11-001-1410
CRANE NO.	87-2810-812-21137 No-332128
HOIST TYPE & SR NO	87-2810-812-21137 No-332128
CAPACITY	1.7t/h
CO NO	TMK 030-1718
TESTED BY	NAME :- Popal Jhande SIGN :- PPJ

MOTOR TYPE	MPCB SLOW RATING	SET VALUE	MPCB FAST RATING	SET VALUE	REMARK
LT	1.6-2.5	2.3	1.6-2.8	2.8	
HT	1.6-2.5	2.3	1.6-2.8	2.8	
CT	1.6-2.5	2.3	1.6-2.8	2.8	

MOTOR TYPE	TRAVEL DIRECTION	RATED			MEASURED	
					NO LOAD	FULL LOAD
HOIST MOTOR	UP SLOW	R	2.20	R	2.10	2.15
		Y	2.20	Y	2.12	2.16
		B	2.20	B	2.10	2.14
	DOWN SLOW	R	2.20	R	2.10	2.15
		Y	2.20	Y	2.11	2.16
		B	2.20	B	2.10	2.14
	UP FAST	R	4.10	R	4.60	4.65
		Y	4.10	Y	4.62	4.68
		B	4.10	B	4.63	4.65
	DOWN FAST	R	4.10	R	4.60	4.65
		Y	4.10	Y	4.63	4.65
		B	4.10	B	4.62	4.64

MOTOR TYPE	TRAVEL DIRECTION	RATED			MEASURED	
					NO LOAD	FULL LOAD
CT MOTOR	RIGHT SLOW	R	1.0	R	1.06	1.08
		Y	1.0	Y	1.05	1.08
		B	1.0	B	1.04	1.09
	LEFT SLOW	R	1.10	R	1.03	1.02
		Y	1.10	Y	1.04	1.08
		B	1.10	B	1.05	1.08
	RIGHT FAST	R	1.20	R	1.10	1.14
		Y	1.20	Y	1.12	1.16
		B	1.20	B	1.10	1.16
	LEFT FAST	R	1.20	R	1.11	1.14
		Y	1.20	Y	1.13	1.12
		B	1.20	B	1.12	1.14

MOTOR TYPE	TRAVEL DIRECTION	RATED			MEASURED	
					NO LOAD	FULL LOAD
LT MOTOR	FORWARD SLOW	R	2x1.10	R	2.10	2.15
		Y	2x1.10	Y	2.12	2.16
		B	2x1.10	B	2.12	2.15
	REVERSE SLOW	R	2x1.10	R	2.11	2.17
		Y	2x1.10	Y	2.10	2.16
		B	2x1.10	B	2.11	2.16
	FORWARD FAST	R	2x1.20	R	2.15	2.20
		Y	2x1.20	Y	2.15	2.19
		B	2x1.20	B	2.15	2.18
	REVERSE FAST	R	2x1.20	R	2.18	2.19
		Y	2x1.20	Y	2.16	2.18
		B	2x1.20	B	2.17	2.19

Recd  
1. Pagan