



Services By

**SPARKLINE EQUIPMENTS PVT.LTD.**

PLOT NO 38 F II BLOCK M I D C PIMPRI PUNE 411018

TEL PHONE: 27470589 / 27460224 TELEFAX : 27475707

E-MAIL : sales.pune@sparkline.co.in

Customer Name: Safa Extrusion Project Code No.:Hoist Type: SH3005-20 H1213 Capacity: 3TEquipment Number: SGEOT crane Hoist SR No: 1911935Location: Parking & Dispatch Date: 12-9-17

Contact Person &amp; Mobil Number:

**AMC Checking Points for Wire rope Hoist with Crane System**

Sr. No	Checking Part	Checking Process	Efficiency		Remark
			Yes	No	
	<b>Hoist</b>				
1	Brake	Measurement Checking	✓		OK
2	Load hook	Measurement Checking	✓		OK
3	Limit Switch	Operational Checking	✓		OK
4	Wire Rope	Visual Checking	✓		OK
5	Rope Guide	Visual Checking		✓	not OK
6	Hoist Mounting Suspension	Titing Testing	✓		OK
7	Hoist Mounting Bolt	Titing Testing	✓		OK
8	Motor	Current & Resistance Testing	✓		OK
9	Wire Rope Drum Clamping	Visual Titing	✓		OK
10	Lubrication	Visual feeling, Checking & Greasing	✓		OK
11	Load testing	Partical Load Testing	✓		OK
12	Pendent cable Strain Relief top	Visual Checking	✓		OK
13	Pendent cable Strain Relief Bottom	Visual Checking	✓		OK
14	Check the power trolley Wheel circle clip	Visual Checking	✓		OK
15	Check the hoist trolley wheels	Visual Checking	✓		OK
16	Check the flange width adjustable bolt	Visual Checking	✓		OK

Sr. No	Checking Part	Checking Process	Efficiency		Remark
			Yes	No	
	<b>General Electrical Connection</b>				
1	Check the Supply indicator in R Y B	Practial trial	✓		OK
2	Proper power supply 3 phase Earthing	Multi meter	✓		OK
3	Check the Power supply cables proper rooting	Visual Checking	✓		OK
4	Control panel box Cable glands	Visual Checking	✓		OK
5	Current Collectors	Visual Checking	✓		OK
6	Pendent trolley movement	Visual Checking	✓		OK
7	Strain of pendent cable	Visual Checking	✓		OK
8	Current Collector movement	Visual Checking	✓		OK
9	General Electrical Connection	Visual Checking	✓		OK
10	Cable Trolleys movement	Visual Checking	✓		OK
11	Connection Terminals	Visual Checking	✓		OK

Contact Person Name

Checked BY: Somnath / AclatSignature [Signature]Signature [Signature]





Services By

**SPARKLINE EQUIPMENTS PVT.LTD.**

PLOT NO 38 F II BLOCK M I D C PIMPRI PUNE 411018

TEL PHONE: 27130317/ 27130689/65304270-4257

E-MAIL :spares.pune@sparkline.co.in

Customer Name: Sapa Extension

Project Code No.:

Hoist Type: SH3005-20 412 L3Capacity: RTEquipment Number: SGEOT GreenHoist SR No: 1911935Location: Parking & DispatchDate: 12-9-17**Contact Person & Mobile Number:**

Sr. No	Checking Part	Checking Process	Efficiency		Remark
			Yes	No	
	<b>Wire Rope Hoist</b>				
1	Check the festooning rail end stopper	Visual Checking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	OK
2	Check the BusBar Mounting Bracket	Visual Checking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	OK
3	Check the BusBar Alignment	Visual Checking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	OK
4	Check C.T. Limit switch in Slow	Operational Checking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	OK
5	Check C.T. Limit switch in Fast	Operational Checking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	OK
6	Check L.T. Limit switch in Slow	Operational Checking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	OK
7	Check L.T. Limit switch in Fast	Operational Checking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	OK
8	Check End Stops For Cross Travel	Visual Checking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	OK
9	Check End Stops For Long Travel	Visual Checking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	OK
10	Check The Crane drive connection with bolts	Visual Checking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	OK
11	Checking of Festoning bolts	Spanner	<input checked="" type="checkbox"/>	<input type="checkbox"/>	OK
12	Check the Buffer Stop bolts	Spanner	<input checked="" type="checkbox"/>	<input type="checkbox"/>	OK
13	Check the end carries bolts	Spanner/Turque	<input checked="" type="checkbox"/>	<input type="checkbox"/>	OK

Contact Person Name

Checked BY: SomnathSignature [Signature]Signature [Signature]



### CHECK POINT IN LT&CT -BRAKE

Travel drive	Motor type	Brake	Braking torque [Nm]	S min. [mm]	S max. [mm]	t min [mm]	(4)	⤵
SF xx xxx 123	8/2F12/2xx.223	FDW 08	1,3	0,2	2,0	5,7	3xM4	3
SF xx xxx 133	8/2F13/2xx.233	FDW 08	2,5	0,2	1,6	6,1	3xM4	3
SF xx xxx 184	4F18/2xx.243	FDW 08	5	0,2	1,6		3xM4	3
SF xx xxx 313	8/2F31/2xx.423	FDW 13	5	0,3	2,0	8,8	3xM6	10
SF xx xxx 384	4F38/2xx.443	FDW 13	13	0,3	2,0	8,8	3xM6	10
SF xx xxx 423	8/2F42/2xx.433	FDW 13	8	0,3	2,0		3xM6	10
SF xx xxx 484	4F48/2xx.453	FDW 13	20	0,3	1,2	9,6	3xM6	10
SF xx xxx 523	8/2F52/2xx.523	FDW 15	13	0,3	2,0	10,8	3xM6	10

Travel drive	Motor type	Brake	Braking torque [Nm]	S min. [mm]	S max. [mm]	t min [mm]
SA-C ... 133	8/2F13/2xx.233	FDW 08	2,5	0,2	1,6	6,1
SA-C ... 184	4F18/2xx.243	FDW 08	5	0,2	1,6	
SA-C ... 313	8/2F31/2xx.423	FDW 13	5	0,3	2,0	8,8
SA-C ... 384	4F38/2xx.443	FDW 13	13	0,3	2,0	8,8
SA-C ... 423	8/2F42/2xx.433	FDW 13	8	0,3	2,0	
SA-C ... 484	4F48/2xx.453	FDW 13	20	0,3	1,2	9,6
SA-C ... 523	8/2F52/2xx.523	FDW 15	13	0,3	2,0	10,8

### CHECK POINT IN LT&CT -BRAKE

Motor Make	Motor No	Motor Type	Max. permissible	Actual	Remarks
SF 17 1131 23	01	SF17 1131 23	2.0	0.50	OK
SF 2561 008610	01		1.5	0.40	OK
—	02		Break pot not OK		OK

### CHECK POINT IN HOIST -BRAKE

Hoist motor type	Hoist brake	S max. [mm]	a [mm]	⤵
12/2H33	RSM16	0,8	25	9 Nm
4H33	RSM16	0,7		9 Nm
12/2H42	RSM32	0,9	25	9 Nm
4H42	RSM32	0,8		9 Nm
12/2H62	RSM60	1,7	25	22 Nm
4H62	RSM60	1,7		22 Nm
12/2H71	RSM100	1,8	30	22 Nm
4H71	RSM100	1,8		22 Nm
12/2H72	RSM150	1,8	30	22 Nm
4H72	RSM100	1,2		22 Nm
12/2H73	RSM150	1,6	25	22 Nm
4H73	RSM150	1,4	25	22 Nm
4H82	RSM250	1,5	31	45 Nm
24/4H92	RSM500	2,0	32	45 Nm

Services By



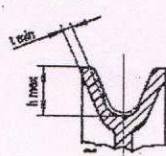
	Hoist No	Hoist Type	Max. permissible	Actual	
SH 3005 - 204126			0.8	0.40	OK



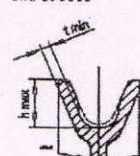
## CHECK POINT IN WIRE ROPE HOIST

Rope sheaves				
Part number	ØD	t min	h max	h new
01 430 01 53 0	98	4	13	11
01 430 04 53 0	100	4	13	10
01 430 00 53 0	125	4	14	12
22 330 00 53 0	140	4	16	14
01 430 06 53 0	152	4	21,5	19,5
03 330 20 53 0	160	4	19	16,5
24 330 00 53 0	200	5,5	24	21
01 430 05 53 0	218	5,5	26,5	24,5
01 430 03 53 0	225	5,5	24	21
03 330 40 53 0	250	5,5	28	25
25 330 00 53 0	375	6,5	37,5	34
25 330 03 53 0	375	6,5	36	32,5
46 330 00 53 0	400	7	33,5	30
26 330 01 53 0	450	10	39	35
09 430 00 53 0	450	10	39	35
46 330 01 53 0	480	10	36,5	32,5

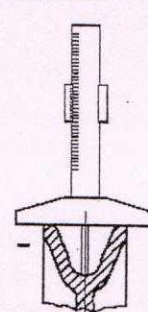
on one side  
and at base



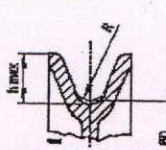
on both sides  
and at base



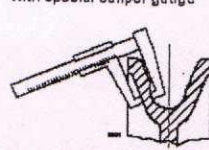
Measuring depth of  
base of groove with  
depth gauge



on both sides  
and at base



Measuring thickness of wall  
with special caliper gauge

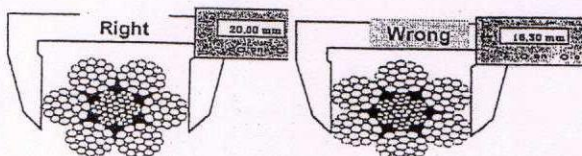


Actual Hoist Type

8.9  
8.7  
8.8  
8.9  
OK  
OK  
OK  
OK

Rope diameter [mm]	5.5	7	9	9	12	12.5	14	20
Number of external strands	6	8	8	8	8	8	8	8
Rope make-up *	6x19 W	8x19 W	8x19 W	Alpha lift	Turbo lift	8x19 W	8x19 W	8x36 WS
Broken wires visible 1Bm, 1Am (FEM 9.661) 2m - 4m over a length of [mm]	5 10 33	6 13 42	6 13 54	6 13 54	9 18 72	6 13 75	6 13 84	12 24 120
or								
Broken wires visible 1Bm, 1Am (FEM 9.661) 2m - 4m over a length of [mm]	10 19 165	13 26 210	13 26 270	13 26 270	18 35 360	13 26 375	13 26 420	24 48 600

In accordance with DIN 15010, if the rope diameter drops to 10% below rated diameter the rope must be replaced



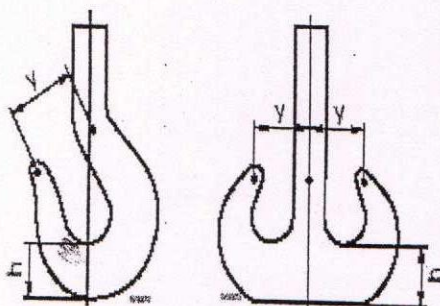
Wire ropes  
Determining rope diameter

**Sparkline**  
complete solution for material handling

Services By

**trida**  
Engineering Services

## CHECK POINT IN HOIST - BOTTOMHOOK BLOCK



### 6.9.7 Checking load hook

RSN, RS, RF																
	0,25	0,4	0,5	0,8	1	1,6	2,5	4	5	6	10	2,5	4	5	6	10
	[mm]										[mm]					
h	24	29	31	37	40	48	58	67	75	85	106	58	67	75	85	106
h min.	18,24	27,55	29,45	35,15	38,0	45,6	55,1	63,65	71,25	80,75	100,7	55,1	63,65	71,25	80,75	100,7

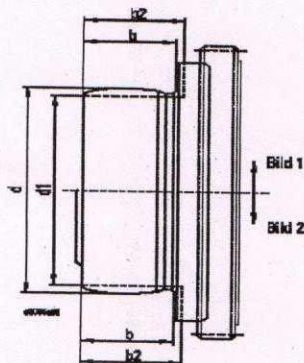
$y_{neu}$  see hook certificate

$y_{zul} = \frac{1}{2} \times y_{neu}$

If value  $h_{min}$  and/or  $y_{zul}$  are reached → #replace hook

Hoist No	Hoist Type	Actual	Remarks
SH300-20 412 L3		H-6363 Y-9823	OK OK





- Visual inspection of wheels for wear. See tables for limits for wear.
- Visual inspection of runway girder for wear.
- Visual inspection of wheel flanges for wear.

Fig.	Nominal value		Limit for wear	
	d [mm]	b [mm]	d1 [mm]	b2 [mm]
1	80	27,5	76	29,5
1	100	33	95	35
1	125	38	119	40
1	140	44,5	133	47
1	160	42,5	152	45
2	200	42,5	190	45



Services By

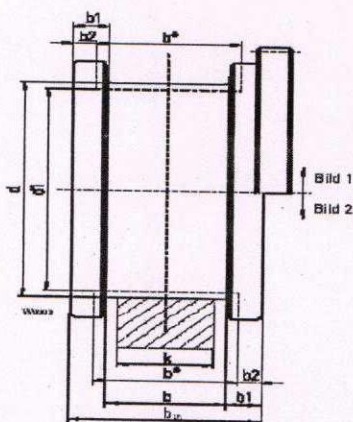


Fig.	d	Nominal value				Limit for wear			
		bLR	b	k		b1	d1	b2	Max. play = b*-k
				min	max				
1	100	80	50	40	45	15	95	5,5	13
2	125	80	50	40	55	10	118,75	5,5	13
2	160	80	60	50	55	10	152	7	13
2	200	85	62	50	55	16,5	190	8	16
2	315	100	64	40	55	11,5	300	13,5	18
2	400	100	64	50	55	23	385	10,5	18
2	400	100	74	60	65	18		10,5	18
2	400	115	64	40	45	13		10,5	14
2	400	115	64	50	55	30,5 (29)		13,5	18
2	400	115	74	60	65	25,5 (24)		13,5	18
2	400	118,5	65	50	55	20,5 (19)		13,5	18
2	400	118,5	75	60	65	27,5 (26)		16	20
2	400	118,5	85	70	75	22,5 (21)		16	20
2	400					17,5 (16)		16,5	11,5

If any one of the limits for wear d1, b2 (b\*-k) is attained, the part must be replaced.

( ) for machined faces

wheel	SR No	Actual For d	Remarks	Actual For b	Remarks
End carriage wheels	1	298	OK	41.02	OK
	2	197	OK	45.03	not OK
	3	198	OK	46.02	OK
	4	946	OK	44.05	OK
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
CT Wheel	SR No	Actual For d	Remarks	Actual For b	Remarks
	1	78.6	OK	27.8	OK
	2	78.15	OK	28.2	OK
	3	76.99	OK	28.00	OK
	4	78.15	OK	28.00	OK





Services By

110a

## SPARKLINE EQUIPMENTS PVT.LTD.

PLOT NO. 38, F-II BLOCK, M.I.D.C., PIMPRI, PUNE-411018.

TEL PHONE: 27470589 / 27460224 TELEFAX : 27475707

E-MAIL :spares.pune@sparkline.co.in

## ELECTRICAL TEST REPORT

CUSTOMER NAME

Sapa Extrusion India Pvt Ltd

PRODUCT DESCRIPTION

SGEOT.

CRANE NO

65

HOIST TYPE &amp; SR NO

SH 3005 - 20 412 L3

CAPACITY

3T

LM NO/CO NO

Packing &amp; Dispatch.

DATE:

12-9-17

TYPE	DESCRIPTION	PHASE	RATED	PHASE	MEASURED NO LOAD
H O I S T  M O T O R	UP SLOW	R		R	3.9
		Y		Y	3.9
		B		B	3.8
	DOWN SLOW	R		R	3.8
		Y		Y	3.9
		B		B	3.8
	UP FAST	R		R	3.4
		Y		Y	3.5
		B		B	3.5
	DOWN FAST	R		R	3.5
		Y		Y	3.5
		B		B	3.5
C T  M O T O R	RIGHT SLOW	R		R	1.1
		Y		Y	1.0
		B		B	1.0
	LEFT SLOW	R		R	1.0
		Y		Y	1.0
		B		B	1.0
	RIGHT FAST	R		R	1.0
		Y		Y	1.0
		B		B	1.0
	LEFT FAST	R		R	
		Y		Y	
		B		B	
L T  M O T O R	FORWARD SLOW	R		R	2.5
		Y		Y	2.7
		B		B	2.7
	REVERSE SLOW	R		R	2.6
		Y		Y	2.6
		B		B	2.7
	FORWARD FAST	R		R	2.6
		Y		Y	2.6
		B		B	2.6
	REVERSE FAST	R		R	2.6
		Y		Y	2.7
		B		B	2.6

Contact Person Name

Checked by

Somnesh

Signature

Signature

27



**Sparkline**   
complete solution for material handling

**rida**  
Engineering Services  
Kalamazoo, Michigan

PLOT NO 38 F II BLOCK M I D C PIMPRI PUNE  
TEL PHONE: 27470589 / 27460224 TELEFAX :  
E-MAIL :spares.pune@sparkline.co.in

Customer Name:		Sapa Extrusion India PU+Lead.	
Crane Type:		Hoist Type:	
Crane No.		Hoist No:	
Location:		Date:	
Contact Person & Mobile Number:			

[illegible]

Checked by & Signature:

*[Handwritten signature]*





SPARKLINE EQUIPMENTS PVT.LTD.  
PLOT NO-38, F-II BLOCK, MIDC, PIMPRI, PUNE  
E-MAIL : aftersales.pune@sparkline.co.in  
SERVICE TOLL FREE NUMBER: 18002661677



### SERVICE REPORT

DATE:	12-9-17	NAME OF THE SERVICE ENGINEER :	
TIME:		Somnath ZhaPe	
CUSTOMER NAME	sepa Extrusion India Pvt Ltd.		
CUSTOMER ADDRESS			
Purchase Order No.		PO Date:	
PERSON CONTACTED		Mobile No:	
PROJECT CODE			
EQUIPMENTS DETAILS	Location.....: Paking & Dispatch.		
	Type of Equipment.....: SGEOT Cream		
	Equipment Number.....: 06		
	Hoist Serial Number.....: 1911935		
	Capacity of the system.....: 3T		
NATURE OF PROBLEMS	Amc checking work		
ANY MATERIAL REQUIRED FROM HEAD OFFICE FOR RECTIFICATION	1) 2) AS SPARE S USE 3)		
ACTION TAKEN	Amc work OK		
IF ANY PENDING POINTS	1) 2) 3) NO 4)		
REMARKS			
SIGNATURE OF THE CUSTOMER		SIGNATURE OF SERVICE ENGINEER	