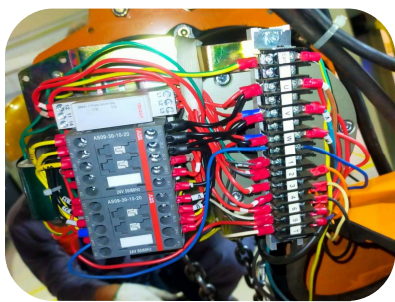
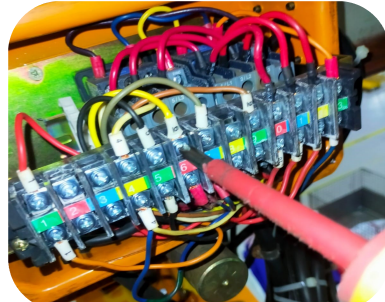
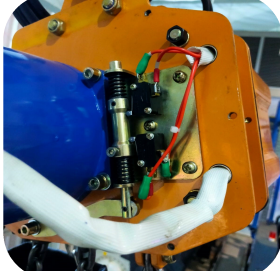
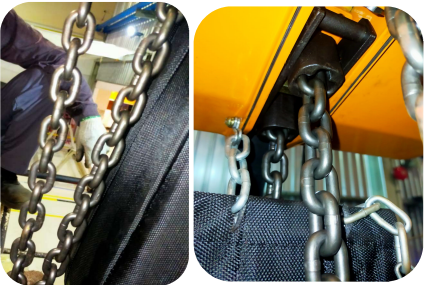
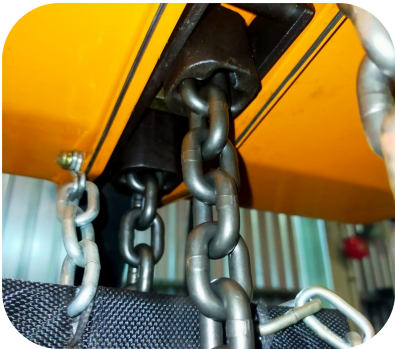
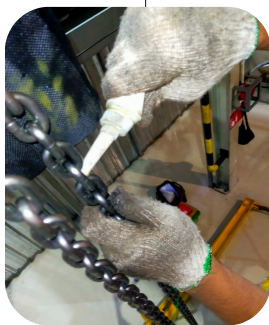
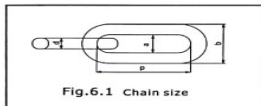


		LAPORAN PEKERJAAN		No. Formulir	HI-F-11-01	
				Revisi	R 1	
				Tanggal Revisi	01/02/2024	
Customer	PT. MULTI SPUNINDO JAYA			☒	Preventive Maintenance	
	Address	Ds. Jabaran RT.008 RW.003 Jabaran, Balongbendo			☒	Pengecekan
	User	Pak Nurwahid			☐	Pemasangan/Pembongkaran
Technician	Electrical	RIZA			☐	Perbaikan
	Mechanical	HENDRA			No. Report	LP-MSJ-2601004-PM
Waktu	Tanggal	20/01/2026			Surat Perintah Kerja	
	Jam	09.00 - 16.15 wib			No. Form Maintenance	
Info Pekerjaan	Preventive Maintenance			No PO	5100032362	
	Area :	Line 15-winder			Tanggal Laporan	23/01/2026
	Note Unit :	Type Unit	Monorail	Wire rope / Chain	Chain	Note Unit :
Merk Hoist		NITTO	Cross Travel	SC-02	Nr. 2102262	
Type Hoist		##	Long Travel	-	NR NITTO	
SWL		2 Ton	Garansi Info	-	2510018	
DETAIL SURVEY / PENGECEKAN / PERBAIKAN						COMMENT AND INSPECTION RESULT
No.	URAIAN HASIL PEKERJAAN					(Mention any trouble, repair,replace, substandard or danger)
A	Diskripsi					
	A.1. Informasi / Permintaan dari User atau Customer / Info Trouble :					
	1.	Preventive Maintenance				
B	Hasil Pekerjaan			Waktu Pekerjaan		
	1. Progress Pekerjaan			MULAI	FINISH	
	A	Persiapan				
	1.1.	Proses pengurusan work permit			09.00	09.10
	1.2.	Proses persiapan, mobilisasi Alat kerja dan Instal skafolding			13.00	13.15
	B.	Preventive Maintenance			13.15	15.30
	1.1.	» Detail Deskripsi : - Cek kondisi fisik Unit. - Cek chain bucket ok - cek brake hoist ok - cek brake cross ok - Lubrikasi gear roda cross - Cek diameter chain (7,1 mm) - lubrikasi chain - Cek roda roda cross ok - cek function Limit up down hoist not OK				
	1.2.	- Safety lact ok - Guide chain ok - cek carbon Brush current colector - cek gab brake hoist 0,25 mm - Trial - Cek Ampere				
	D.	Proses Finishing				
	1.1.	Proses Perapian Alat Kerja & Area Kerja.			15.30	15.40
	1.2.	Test pengoperasian bersama user , Pembuatan laporan maintenance dan tandatangan PIC area			15.40	16.00
	1.3.	Pengembalian alat kerja			16.00	16.20
	1.4.	Selesai				16.20
2. Penggantian Part yang Sudah Dilakukan						
	NO	ITEM	SPESIFIKASI	QTY	SATUAN	Keterangan tambahan
3. Kesimpulan						
	3.1.	Telah selesai dilakukan pengecekan dan perawatan Monorail SWL 1x2 Ton Hasil Test fungsi Normal				
	3.2.	Saat ini hoist terpasang adalah hoist sementara sebagai pengganti hoist yang sedang dalam proses Overhaul				
	3.3.	Spring limit switch hanya terpasang 1 Pcs rekomendasi dilakukan penambahan				

4. Action Plan					
4.1.		Next PM			
4.2.		Monitoring berkala pemasangan hoist spare terutama bagian sackle karena tidak standart			
4.3.					
5. Rekomendasi Part					
NO	ITEM	SPESIFIKASI	QTY	SATUAN	Keterangan tambahan
1	SPRING LIMIT SWITCH	FOR LOAD CHAIN 7,1 X800 MM	1	PCS	10. Pengecekan dimensi spring load chain untuk pengaman limit switch hoist - part kurang 1 pcs
					
C	Dokumentasi Hasil Pekerjaan				Keterangan tambahan
1. Gap brake hoist sudah dilakukan setting ulang gap brake (0,25 mm) kondisi baik		2. Pengecekan kondisi kampas brake cross travel			
					kondisi brake baik berfungsi dengan baik
3. Pengecekan Electrical Hoist		4. Pengecekan panel cross travel			
					dilakukan pengecekan electrical
5. Cek visual fungsi brake hoist		6. Pengecekan fungsi limit switch			
					

	7. Lubrikasi gear roda cross 	8. Pengecekan cain bucket kondisi baik 	
	9. Pengecekan kondisi pengunci dan hook tidak standart untuk pemakaian sementara 	10. Pengecekan dimensi spring load chain untuk pengaman limit switch hoist - part kurang 1 pcs 	
	11. Pengecekan dimensi spring load chain untuk pengaman limit switch hoist - part kurang 1 pcs 	12. Pengecekan dimensi spring load chain untuk pengaman limit switch hoist - part kurang 1 pcs  	
	13. Kondisi chain guide Baik dan safety latch baik 	14. Pengukuran diameter chain ada yang aus 8,6 mm - untuk sementara area yang aus dibalik agar tetap aman digunakan (Rekomendasi bulan sebelumnya) 	
			Visual cek : Rekomendasi Penggantian load chain dan overhaul pengecekan kondisi hoist bagian dalam

	Proses cleaning dan lubrikasi chain																												
				Kondiai chain guide dan safety latch baik dari hasil ukur kondisi chain AUS diameter 8,5 mm NOT OK SEMENTARA BAGIAN YANG AUS DIBALIK / TIDAK DIGUNAKAN Cek Standart dibawah C.14.1.																									
	C.14.1. Standart dimensi Chain																												
	(a) Chain Any distorted, extended, or worn chain will not be good locked with chain wheel, result in the breakdown or disengaging of the chains. To ensure the safe and normal operation, the internal length and width, external width of the chain must be checked monthly. If in the following situation, the chain must be replaced. 1)The internal length of the chain (p) is worn and extended 5% higher than the values as listed in Table 6.1 2) The wearing of the diameter of the chain link (d) is lower than the value listed in table 6.1 (The wearing of nominal diameter reaches 10% higher than the original one) ***** When the wearing of chain is high, be sure to confirm the wearing of the chain wheel and chain guide *****  Fig.6.1 Chain size <table><tr><th>Diameter (mm) (d)</th><th>Capacity (ton)</th><th>Internal length (mm) (p)</th><th>Internal width (mm) (a)</th><th>External width (mm) (b)</th></tr><tr><td>6.3</td><td>0.3, 0.5</td><td>19</td><td>7.5</td><td>20.5</td></tr><tr><td>7.1</td><td>1, 2, 3</td><td>21</td><td>8.9</td><td>23</td></tr><tr><td>10.0</td><td>1.5, 2, 3</td><td>30</td><td>12.5</td><td>33</td></tr><tr><td>11.2</td><td>2.5-7.5</td><td>34</td><td>14</td><td>37.2</td></tr></table> Table 6.1			Diameter (mm) (d)	Capacity (ton)	Internal length (mm) (p)	Internal width (mm) (a)	External width (mm) (b)	6.3	0.3, 0.5	19	7.5	20.5	7.1	1, 2, 3	21	8.9	23	10.0	1.5, 2, 3	30	12.5	33	11.2	2.5-7.5	34	14	37.2	berdasarkan standar di samping maka batas limit sbb : diameter 10,0mm-(10%$\times$10,0)=9,0 mm internal link 30mm+(5%$\times$30mm)=31,5 mm
Diameter (mm) (d)	Capacity (ton)	Internal length (mm) (p)	Internal width (mm) (a)	External width (mm) (b)																									
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D	Keterangan																												
	Hasil Pengecekan Hoist																												
	Ampere Speed 1 / speed 2	Resistansi																											
	R. 1,3 A			ok																									
	S. 1,6 A			ok																									
	T. 1,6 A			ok																									
	Hasil Pengecekan Cross																												
	Ampere Speed 1 / speed 2	Resistansi																											
	R. 1,0 A			ok																									
	S. 1,1 A			ok																									
	T. 1,1 A			ok																									
	Hasil Pengecekan Long																												
	Ampere Speed 1 / speed 2	Resistansi																											
	Note :																												
	- proses pengecekan fleksibel dengan operator dikarenakan kondisi area sedang produksi.																												
E	Lampiran																												
	E.1. Form Maintenance																												
	Mengetahui																												
	Teknisi	SPV	USER																										
	RIZA		P. Nurwahid																										



HELINDOtech Indonesia

Head Office : Jl. Industri I Ragam Jemundo Blok B1/B, Desa Jemundo, Kec. Taman, Kab. Sidoarjo
 Phone Office : (031) 7870217 Fax. : (031) 7887284
 Branch Office : Pergudangan BIZ Point 5 Cikupa, Jl. Queensland No. 05, Desa. Sukamulya, Kec. Cikupa, Kab. Tangerang, Banten
 Phone Office : (021) 7870217-8
 Email : pthelindotech@gmail.com Website : www.helindotechindonesia.com



FORM MAINTENANCE

Customer : PT. Multi Pemasangan
 Technician : P. A. M. M. M.
 Problem info : Maintenance
 (.....)

Service report number :

Urgent / Monthly / Yearly / Commissioning

Date : 29.1.2020

Status Unit		
☒ OK	☐ WARNING	☐ URGENT

NOTE :

Model : Double Girder / Single Girder / Monorail		Brand Unit : <u>NITTO</u>																																																																																																																																																																																																																																																																																																																			
Serial No. : <u>2010010</u>		Brand Hoist / Type : <u>TC - 02</u>																																																																																																																																																																																																																																																																																																																			
SWL : <u>2T</u>		Brand Cross / Type : <u>TC - 02</u>																																																																																																																																																																																																																																																																																																																			
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Working Condition : <u>Working</u>		Brand Power Conductor / Type : <u>TC - 02</u>																																																																																																																																																																																																																																																																																																																			
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Telah selesai dilakukan pengecekan :

1	cek diameter chain	9,1 mm.	6	cek pegas brake hoist	ok
2	lubrikasi chain		7	cek pegas limit up	not ok
3	lubrikasi gear roller case		8	cek roller track	ok
4	lubrikasi gear brake cable		9	cek baut & komponen electrical	ok
5	cek pegas brake cable	ok	10	cleaning unit	

Kondisi saat ini : Unit dapat dipergunakan dengan normal.

NOTE : Ampere : Normal Load : 1.0 A

R : 1.3 A	S : 1.6 A	T : 1.6 A
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Spare parts are replaced				We Recommended you to Order			
No.	Description	Part No	QTY	No.	Description	Part No	QTY
1				1	guide spring	1	per
2				2			
3				3			
4				4			
5				5			
6				6			

Service Technician

The client was informed about the found detected and the danger resulting there from

WORKING HOURS

Customer