MACHINE LEDGER - Professional Maintenance

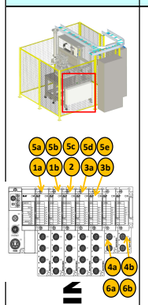
Machine name	Model No.	Manufacturer
IPS CYLNDER INSPECTION MACHINE		JENOPTIK

SUPPLIER SECTION

Combined Machine Ledger / PM Calendar 2021

OPERATION COMPLETED
EXTRA CYCLE
BREAKDOWN
PLANNED OPERATION

Machine Diagram - Machine and Subassembly Diagram



IPS CYLNDER INSPECTION MACHIN

OP40 FIELD DEVICES

Subassembly Name	Picture	Component Number	Component Name	Manufacturer	Manufacturer's Part No.	NPN Code	Crib Location	Cost of Component	Component classification A, B or C	Activity Frequency (weeks) and Based on Machine Cycle	Maintenance Time (min)	SMP#	TMS#	Machine Static/Dynamic	What	Who	Replacement Year	C-Consumable R-Repairable
		1 (2)	BL67 ELECTRONIC MODULE, 8 DIGITAL, NPN PB	TURCK	BL67-8DI-P				B									C
		2	BL67 ELECTRONIC MODULE, 8 DIGITAL, OUTPUT	TURCK	BL67-8DO-0.5A-P				B									C
		3 (2)	BL67 ELECTRONIC MODULE, 4 D-LINK SHORTSCHANNELS	TURCK	BL67-4DL				B									C
		4 (2)	BL67 EXTENSION MODULE, 2 RFID READ/WRITE HEADS	TURCK	BL67-2RFID-A				B									C
		5 (5)	BL67 BASE MODULE, 4-M12, MODEL:	TURCK	BL67-B-4M12				B									C
		6 (2)	BL67 BASE MODULE, 7-M12, MODEL:	TURCK	BL67-B-7M12				B									C
		7																
		8																
		9																
		10																
		11																
		12																

ROOT CAUSE: 1. External influences; 2. Lack of knowledge; 3. Design weakness; 4. Insufficient maintenance; 5. Operating conditions not observed; 6. Basic conditions not observed

Time (Minutes)
EWO or Kaizen Number
Root Cause Number

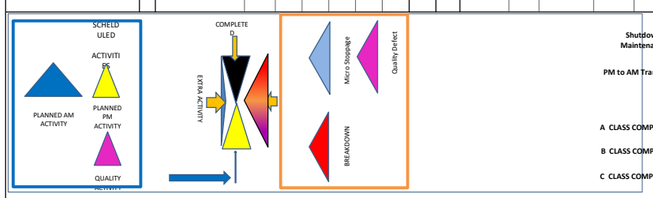
KPI			Maintenance Evolution							COST									total cost / component				
2014	2013		Type of Improvement					Parameter change															
Total Breakdown Number	TBF (hrs)	Total # of Breakdowns	Component TBF (hrs)	First week in the year that task is to be done	C- Change Controller Date	KAIZEN: indicate kaizen n.	PM=>AM Transfer (indicate type of AM and CIL activity n.)	Maintenance type (TBM/CBM; indicate old type -> new type	Frequency (old -> new	Frequency (days) / Change Date	Maintenance Time (old -> new	Total Cost of Manpower	Total Component Cost	Time / year (in minutes)	Replace time period (years)	Regular	Time =half 67/10	Double Time	Total Time / year (in minutes)	Total Replace time period (years)	total Regular	total Half Time	total Double Time
																44.79	67.18	89.59					
												$0.00	$0.00	0.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
														0.00	N/A	0.00	0.00	0.00					
												$0.00	$0.00	0.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
														0.00	N/A	0.00	0.00	0.00					
												$0.00	$0.00	0.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
														0.00									
												$0.00	$0.00	0.00					0.00	0.00	0.00	0.00	0.00
														0.00									
												$0.00	$0.00	0.00					0.00	0.00	0.00	0.00	0.00
														0.00									
												$0.00	$0.00	0.00					0.00	0.00	0.00	0.00	0.00
														0.00									
												$0.00	$0.00	0.00					0.00	0.00	0.00	0.00	0.00
														0.00	N/A	0.00	0.00	0.00					
												$0.00	$0.00	0.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
														0.00	N/A	0.00	0.00	0.00					
												$0.00	$0.00	0.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Do not need to print this section for calculation purposes only

Mircostops Week	1	2	3	4	5	6	7	8	9	10	11	12
Mircostops Time												
Mircostops Week	13	14	15	16	17	18	19	20	21	22	23	24
Mircostops Time												
Mircostops Week	25	26	27	28	29	30	31	32	33	34	35	36
Mircostops Time												
Mircostops Week	37	38	39	40	41	42	43	44	45	46	47	48
Mircostops Time												
Mircostops Week	49	50	51	52								
Mircostops Time												

Top Microstop issues

Total Manpower cost	$0.00
Total Component cost	$0.00



Shutdown Maintenance
PM to AM Transfer
A CLASS COMPONET — CANNOT RUN WITHOUT THIS
B CLASS COMPONET — Can still run
C CLASS COMPONET — No machine impact to functionality

UNIT LEADER RESPONSIBLE FOR UPDATING COMPLETION % WEEKLY

100% 90% 80% 70% 60% 50% 40% 30% 20% 10% Buy off

A & B only on Mach Ledger