MACHINE LEDGER - Professional Maintenance

Machine name	Model No.	Manufacturer
INLINE CRANKSHAFT GAGE		JENOPTIK

SUPPLIER SECTION

Combined Machine Ledger / PM Calendar 2021

OPERATION COMPLETED
EXTRA CYCLE — BREAKDOWN
PLANNED OPERATION

Machine Diagram - Machine and Subassembly Diagram

INLINE CRANKSHAFT GAGE

HMI PANEL

Subassembly Name	Picture	Component Number	Component Name	Component Manufacturer	Manufacturer's Part No.	NPN Code	Crib Location	Cost of Component	Component classification A, B, 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
HMI PANEL		1	15.6" Monitor	Dynica	SHWPBTUMDD				B									C
		2	TP1200 12" HMI	Siemens	6AV2124-0MC01-0AX0				A									C
		3	Stack Light With Buzzer	Banner	BNI IOL-802-102-Z037				B									C
		4 (2)	White Illuminated Pushbutton	Allen Bradley	800FP-LF7				B									C
		5	Selector Switch	Allen Bradley	800FP-SM22				B									C
		6 (2)	Green Illuminated Pushbutton	Allen Bradley	800FP-LF3				B									C
		7	Lock-Out Emergency Stop Pushbutton 22.5	Ross	22102-122				B									C
		8 (2)	Contact Block, Green LED	Allen Bradley	800F-PN2GX10				B									C
		9 (2)	Contact Block, White LED	Allen Bradley	800F-PN2WX10				B									C
		10	Contact Block	Allen Bradley	800F-PX21				B									C
		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

January	February	March	April	May	June	July	August	September	October	November	December
1 2 3 4 5	6 7 8 9	10 11 12 13 14	15 16 17 18	19 20 21 22	23 24 25 26 27	28 29 30 31	32 33 34 35	36 37 38 39 40	41 42 43 44	45 46 47 48	49 50 51 52
30 6 13 20 27	3 10 17 24	3 10 17 24 31	7 14 21 28	5 12 19 26	2 9 16 23 30	7 14 21 28	4 11 18 25	1 8 15 22 29	6 13 20 27	3 10 17 24	1 8 15 22

KPI

Total Breakdown Number	TBF (hrs)	Total # of Breakdowns	Component TBF (hrs)

Maintenance Evolution

2014	2013	Type of Improvement					Parameter change				
		First week in the year that task is by task	C-Change Continuation Date	KAIZEN: indicate kaizen n.	PM=>AM Transfer (indicate type of AM and CIL activity n.)	Maintenance type (indicate old type => new type	Frequency (old >> new	Frequency old >> new	Maintenance Time (old >> new	Total Cost of Manpower	Total Component Cost
										$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

COST

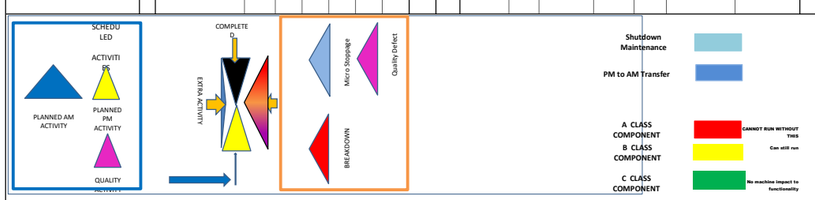
Time / year (in minutes)	Replace time period (years)	Regular	Time >half 6/1/0	Double Time	Total Time / year (in minutes)	Total Replace time period (years)	total Regular	total Time >half	total Double Time
		44.79	67.18	89.59					
0.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0.00	0.00	0.00					
0.00	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	N/A	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	0.00	0.00
0.00	N/A	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	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	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	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	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	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	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	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					

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



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