SUPPLIER SECTION

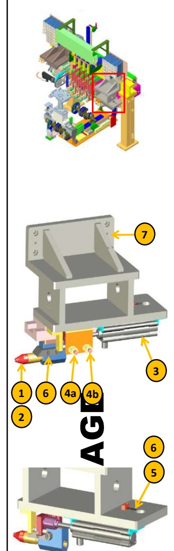
MACHINE LEDGER - Professional Maintenance

Machine name	Model No.	Manufacturer
INLINE CRANKSHAFT GAGE		JENOPTIK

Combined Machine Ledger / PM Calendar 2021

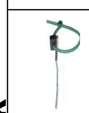
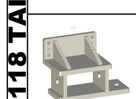
OPERATION COMPLETED
EXTRA CYCLE
BREAKDOWN
PLANNED OPERATION

Machine Diagram - Machine and Subassembly Diagram



INLINE CRANKSHAFT GAGE

Subassembly Name: OP118 TAILSTOCK

Picture	Number	Name	Manufacturer	Manufacturer's Part No.	NPM 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
	1	Centering Tip	JENOPTIK INDUSTRIAL METROLOGY (GERMANY)	663528				A	As	15	P25		Static	Replace CBM	MTMM		C
	2	Infrared Temperature Measurement DM301 D	B+B THERM-O TECHNIK GMBH	DM301 D				A									C
	3	Standard Cylinder	Festo AG & Co. KG	DSBC-32-50-C-PPVA				A	As	49	P24		Static	Replace CBM	MTMM		R
	4 (2)	Proximity Switch	BALLUFF GmbH	BES 516-325-G-E5-C-S4				A									C
	5	PT100 Sensor	JENOPTIK INDUSTRIAL METROLOGY (GERMANY)	PT100				A									C
	6	Sensor Module PT100 0..160°C SET B+B	JENOPTIK INDUSTRIAL METROLOGY (GERMANY)	PT100 0..160°C SET B+B				A									C
	7	Travere	JENOPTIK INDUSTRIAL METROLOGY (GERMANY)	663580				B									C
	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

For each component (1–12): 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

	2014		2013	
	Total Breakdown Number	TBF (hrs)	Total # of Breakdowns	Compont TBF (hrs)

Maintenance Evolution

Type of Improvement					Parameter change				
First week in this year that task is to start.	Change Configuration Date	KAIZEN: indicate kaizen n.	PM=>AM Transfer : (indicate type of AM and CIL activity n.)	Maintenance type change (TBM/CBM): indicate old type --> new type	Frequency Update / Change Date	Frequency: old -> new	Maintenance Time: old -> new	Total Cost of Manpower	Total Component Cost

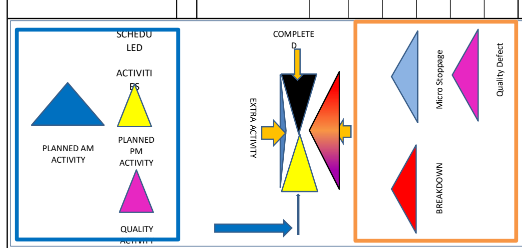
Number	Total Cost of Manpower	Total Component Cost
1	#VALUE!	#VALUE!
2	$0.00	$0.00
3	#VALUE!	#VALUE!
4	$0.00	$0.00
5	$0.00	$0.00
6	$0.00	$0.00
7	$0.00	$0.00
8	$0.00	$0.00
9	$0.00	$0.00
10	$0.00	$0.00
11	$0.00	$0.00
12	$0.00	$0.00

COST

Time / year (in minutes)	Replace time period (years)	Regular	Time +half 67.18	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	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
0.00	N/A	0.00	0.00	0.00					
0.00	N/A								0.00
0.00	N/A								
#VALUE!									#VALUE!
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	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					

total cost / component

Do not need to print this section for calculation purposes only



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

UNIT LEADER RESPONSIBLE FOR UPDATING COMPLETION % WEEKLY

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

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	#VALUE!
	Total Compont cost	#VALUE!