MACHINE LEDGER - Professional Maintenance

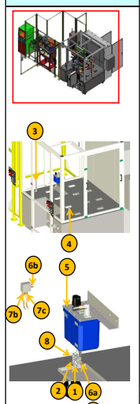
Combined Machine Ledger / PM Calendar 2021

Machine name: INLINE CRANKSHAFT GAGE | Model No. | Manufacturer: JENOPTIK

SUPPLIER SECTION

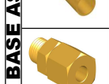
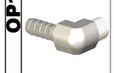
OPERATION COMPLETED | EXTRA CYCLE | TEARDOWN | PLANNED OPERATION

Machine Diagram - Machine and Subassembly Diagram



INLINE CRANKSHAFT

OP178 BASE ASSEMBLY

Subassembly Name	Component Picture	Number	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	R-Repairable C-Consumable
		1	Flow Control Valve	Festo	GRLA-1/8-B				A									C
			Air Fitting	Festo	QS-G1/8-I				A									C
		3	Photo Electric Sensor Receiver	IFM Efector	OGE200				A									C
		4	Photo Electric Sensor Transmitter	IFM Efector	OGS200				A									C
		5	Gravity Feed Blackbird with Injection Oiler	SKF	KWS-V7				A	720 CY	8.5	P28		Static	Lubricate	Oiler		C
		6 (2)	Tube Support	McMaster Carr	5981SK82				B						TBM			C
		7 (4)	Compression Fitting	McMaster Carr	2815K186				A									C
		8	1/8 Inch NPT Degree Barbed Fitting	McMaster Carr	5355K41				B									C
		9																C
		10																C
		11																C
		12																C

Time (Minutes) / EWO or Kaizen Number / Root Cause Number

ROOT CAUSE

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

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	2014 TBF (hrs)	2013 Total # of Breakdowns	2013 Compost TBF (hrs)

Maintenance Evolution

Type of Improvement: First week in this year that task is to exist | Change Out Obsolete Date | KAIZEN: indicate kaizen n. | PM=>AM Transfer: (indicate type of AM, and CIL activity n.) | Maintenance type change (TMS#/SMP#): indicate old type -> new type

Parameter change: Frequency (old -> new) | Maintenance Time: old -> new

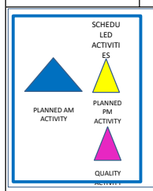
COST

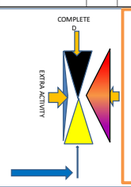
Total Cost of Manpower	Total Component Cost
$0.00	$0.00
$0.00	$0.00
$0.00	$0.00
$0.00	$0.00
#VALUE!	#VALUE!
$0.00	$0.00
$0.00	$0.00
$0.00	$0.00
$0.00	$0.00
$0.00	$0.00

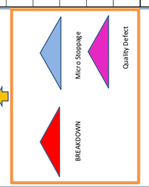
total cost / component

Time* / year (in minutes)	Replace time period (years)	Regular	Time +half (1/1/0)	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	#VALUE!	0.00	#VALUE!	#VALUE!	#VALUE!
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	N/A	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	N/A	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	N/A	0.00	0.00	0.00					

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 Compost cost: #VALUE!

A & B only on Mach Ledger