



Standard Inventory Analytics in SAP

INVENTORY ANALYTICS

Contents

LIS and DOC Evaluation

MC.9

- MC42 Range of Coverage Based on Usage/Consumption
- MC43 Range of Coverage Based on Requirements
- MC44 Inventory Turnover
- MC45 Usage Value
- MC46 Slow Moving
- MC47 Requirement Values
- MC48 Stock Value
- MC49 Average Stock Value
- MC50 Dead Stock

MCBE

MCPW

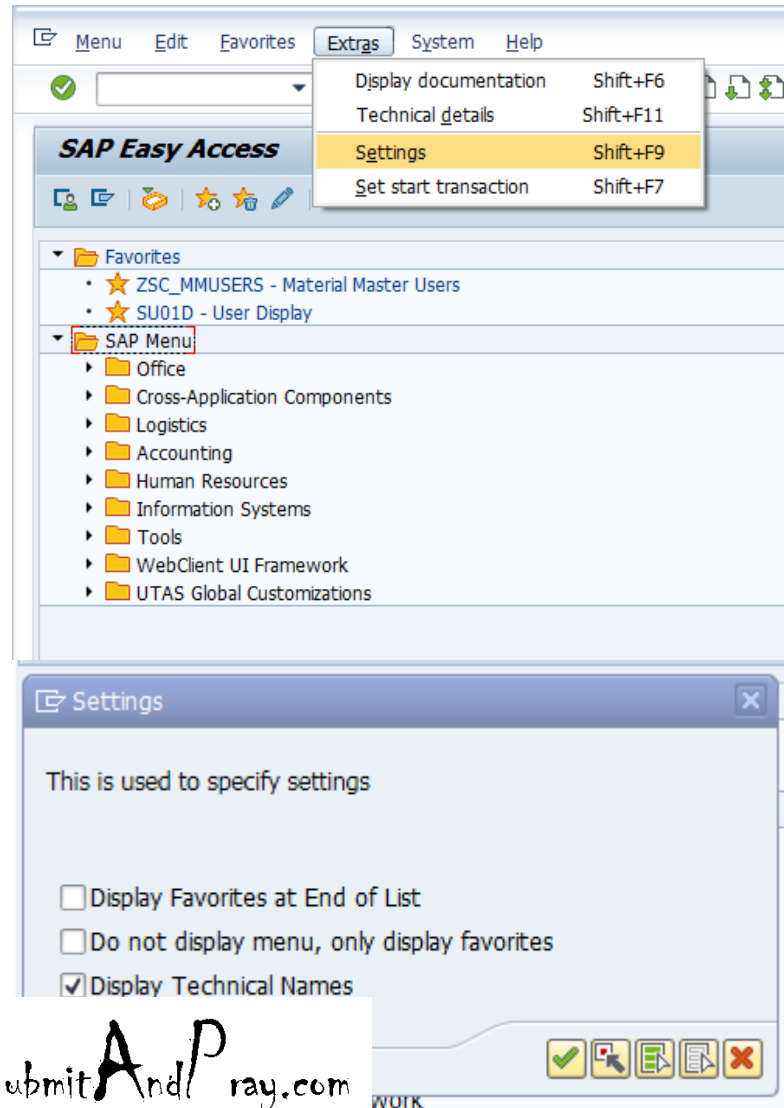
Dual Classification

LIS TREE

Navigating through the LIS Tree

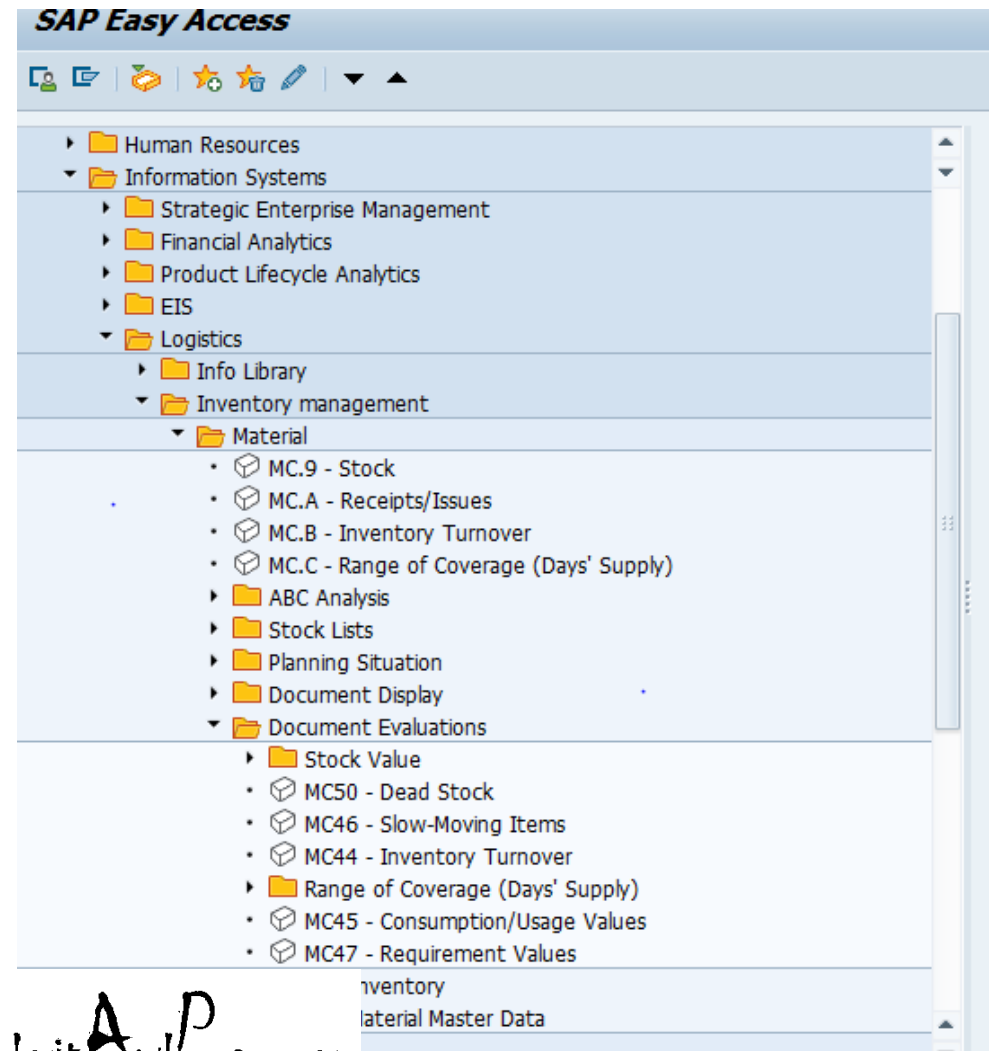
First go to settings.

Select the “Display Technical names” option



LIS TREE

Clicking down the LIS Tree leads to many good options for inventory evaluation.



INVENTORY ANALYTICS

MC.9

MC.9 is a standard method of doing inventory analysis in SAP.

Information on number of times an item is used, the quantity used, and the type of consumption (planned or unplanned) can be built into standard extracts.

Questions that the standard inventory screens can help answer include:

What is my consumption history?

- This can help you determine how many days/weeks/months on hand you have. It can help you determine you ABCXYZ based on usage.

When did I last receive and item? When did I last consume and item?

- A last receipt or consumption long ago may indicate excess and potential obsolescence.

What are my inventory turns? Days of Coverage based on consumption?

INVENTORY ANALYTICS

MC.9

After making selections hit the execute button.

For items that get put to a stock location, MC.9 can help you determine the vitality and trends of your inventory.

You can run it by MRP controller, wide open by plant, or by any other maintained value listed on the selection screen.

MC.9 always defaults to the last 90 days for a date range, but you can modify that just by changing the date range.

Material Analysis: Stock: Selection

SelectVers. User settings Standard drilldown

Characteristics

Plant		to		Execute
Storage Location		to		Execute
Material		to		Execute
MRP Controller		to		Execute

Material Groupings

Material Type		to		Execute
Material Group		to		Execute
Valuation Class		to		Execute

Period to Analyze

Month	03/2017	to	05/2017	Execute
-------	---------	----	---------	---------

Valuation

- Standard
- Std w/o Distrib.
- MaterialLedger Active
- Current Price

INVENTORY ANALYTICS

MC.9

Characteristics

Plant		to		↔
Storage Location		to		↔
Material	-130-0001	to	4P8071-388-0001	↔
MRP Controller		to		

Material Groupings

Material Type		to	
Material Group		to	
Valuation Class		to	

Multiple Selection for Material

Select Single Values (20) | Select Ranges | Exclude Single Values | Exclude Ranges

0. Single value

4P8071-209-0001	<input checked="" type="checkbox"/>
4P8071-214-0001	<input type="checkbox"/>
4P8071-223-0001	<input type="checkbox"/>
4P8071-225-0001	<input type="checkbox"/>
4P8071-227-0001	<input type="checkbox"/>
4P8071-333-0001	<input type="checkbox"/>
4P8071-336-0001	<input type="checkbox"/>
4P8071-343-0001	<input type="checkbox"/>

Multiple selection...

You can also specify a set of parts that are not a range. First I clicked on the arrow toggle to get a new table to open up. Then using a cut/paste function from excel and the little clip board I dropped in a range. Then hit the green clock/check mark (as opposed to just the green check mark).

INVENTORY ANALYTICS

MC.9

If this screen pops up, just hit the green check mark and move through it.

The screenshot shows the SAP Inventory Analytics interface. At the top, there are navigation icons and menu items: 'SelectVers.', 'User settings', and 'Standard drilldown'. The main area is divided into several sections:

- Characteristics:** Fields for Plant, Storage Location, Material, and MRP Controller, each with a 'to' field and a dropdown arrow.
- Material Groupings:** Fields for Material Type, Material Group, and Valuation Class, each with a 'to' field and a dropdown arrow.
- Period to Analyze:** Fields for Month (03/2017) and to (05/2017) with a dropdown arrow.
- Valuation:** Radio buttons for Standard, Std. w/, Material, and Current.
- Parameters:** Fields for Analysis Currency and Exception.

An 'Information' dialog box is overlaid on the screen, displaying the message: 'Authorization check: Scope of selection 'Plant' was restricted'. The dialog has a close button (X) and a green checkmark icon.

INVENTORY ANALYTICS

MC.9

This should bring you here

This is a very important Button that lets you add a lot of power to this view

Material Analysis: Stock: Basic List

No. of Material: 17475

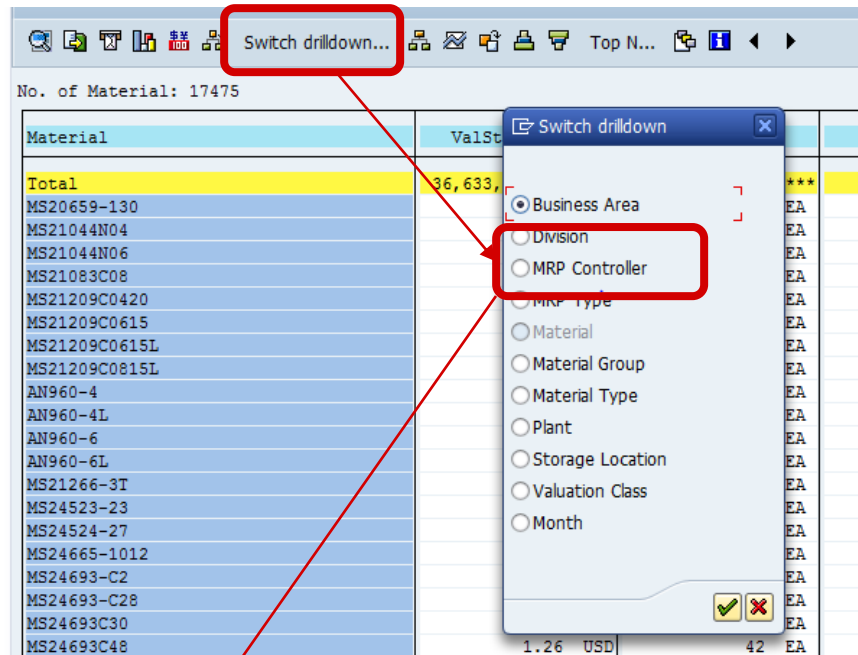
Material	ValStockValue	Valuated stock	CnsgtStock
Total	36,620,325.17 USD	8,633,948.471 ***	0.000 ***
MS20659-130	0.00 USD	0 EA	0 EA
MS21044N04	0.00 USD	0 EA	0 EA
MS21044N06	0.00 USD	0 EA	0 EA
MS21083C08	0.00 USD	0 EA	0 EA
MS21209C042	0.00 USD	0 EA	0 EA
MS21209C0615	0.00 USD	0 EA	0 EA
MS21209C0615L	12.48 USD	2 EA	0 EA
	0.00 USD	0 EA	0 EA
	0.00 USD	0 EA	0 EA
	0.00 USD	0 EA	0 EA
	0.08 USD	8 EA	0 EA
	0.38 USD	64 EA	0 EA
		0 EA	0 EA
		0 EA	0 EA
MS24523-23		0 EA	0 EA

This is your part number
This is your current \$ value
This is your current in stock

INVENTORY ANALYTICS

MC.9

The icons across the top give you options to change features. For example, the switch drill down will allow you to see your inventory in different sets, such as by MRP controller.



This screenshot shows the SAP Inventory Analytics interface after the 'Switch drilldown' menu has been used to filter by MRP Controller. The text 'No. of MRP Controller: 207' is displayed. The table has columns 'MRP Controller', 'ValStockValue', 'Valuated stock', and 'CnsgtStock'. The 'Total' row is highlighted in yellow, showing a value of 36,633,297.95 USD. A red box highlights the first column of the table, containing the following MRP Controller values: 21B, 21E, 21Q, 21R, 21V, 21Z, 22(), 22I, 24(), 25(), and 25I. A watermark 'SubmitAndPray.com' is visible at the bottom of the table.


MRP Controller	ValStockValue	Valuated stock	CnsgtStock
Total	36,633,297.95 USD	8,633,950.471 ***	0.000 ***
21B	0.00 USD	0 EA	0 EA
21E	7,349.21 USD	1 EA	0 EA
21Q	17,479.77 USD	69 EA	0 EA
21R	71,239.46 USD	49 EA	0 EA
21V	37,368.48 USD	3,300 EA	0 EA
21Z	292,370.72 USD	139 EA	0 EA
22()	1,923.33 USD	3 EA	0 EA
22I	1,141.35 USD	5 EA	0 EA
24()	123,426.10 USD	82,563 EA	0 EA
25()	252,771.59 USD	4,523.000 ***	0.000 ***
25I	0.00 USD	0 EA	0 EA
25I	33,913.93 USD	4,305 EA	0 EA

INVENTORY ANALYTICS

MC.9

You can also select the little “graph” like icon and break out the time series – here the last 90 days are bucketed out side by side.


Material Analysis: Stock: Drilldown

Switch drilldown...  Top N...

No. of MRP Controller: 207

MRP Controller

Time series

Key figure ValStockValue 

MRP Controller	03/2017	04/2017	05/2017
Total	38,533,206.86 USD	37,360,545.11 USD	36,633,297.95 USD
21B	0.00 USD	0.00 USD	0.00 USD
21E	7,349.21 USD	7,349.21 USD	7,349.21 USD
21Q	11,399.85 USD	18,493.09 USD	17,479.77 USD
21R	71,239.46 USD	71,239.46 USD	71,239.46 USD
21V	17,873.51 USD	19,809.43 USD	37,368.48 USD
21Z	314,382.52 USD	314,382.52 USD	292,370.72 USD
22C	1,923.33 USD	1,923.33 USD	1,923.33 USD
22E	5,021.94 USD	2,967.51 USD	1,141.35 USD
24V	70,742.29 USD	136,841.56 USD	123,426.10 USD
25J	272,286.63 USD	274,431.44 USD	252,771.59 USD
25N	0.00 USD	0.00 USD	0.00 USD
25S	41,987.30 USD	27,686.82 USD	33,913.93 USD
2B4	0.00 USD	0.00 USD	0.00 USD
2B5	0.00 USD	0.00 USD	0.00 USD
2B9	0.00 USD	0.00 USD	0.00 USD
2BT	298,195.47 USD	44,411.02 USD	0.00 USD
2BU	0.00 USD	0.00 USD	0.00 USD

SubmitAndPray.com

INVENTORY ANALYTICS

MC.9

You can sort ascending and descending with these two buttons (but you have to be in one of the column fields).

Material Analysis: Stock: Basic List

Switch drilldown... Top N...

No. of MRP Controller: 207 ValStockValue

MRP Controller	ValStockValue	Valuated stock	CnsgtStock
Total	36,633,297.95 USD	8,633,950.471 ***	0.000 ***
5WW	4,232,363.11 USD	146,936.000 ***	0.000 ***
2VF	3,592,751.66 USD	1,824,158.000 ***	0.000 ***
40F	2,910,885.00 USD	3,088.000 ***	0.000 ***
2BT	2,293,345.22 USD	5,274.000 ***	0.000 ***
40P	2,007,637.09 USD	5,274.000 ***	0.000 ***
3LP	1,951,976.37 USD	5,144,347.000 ***	0.000 ***
60C	1,211,666.19 USD	7,568.000 ***	0.000 ***
5GE	1.083.999.35 USD	35 EA	0 EA
40V		1 EA	0 EA

Click in a cell first to
Select what you sort

INVENTORY ANALYTICS

MC.9

Material Analysis: Stock: Selection

🕒 🗨️ 📄 📊 📅 📌 📁 SelectVers. 🗑️ User settings 🔄 Standard drilldown

Characteristics

Plant	<input type="text"/>
Storage Location	<input type="text"/>
Material	<input type="text"/>
MRP Controller	5ww

Material Groupings

Material Type	<input type="text"/>	to	<input type="text"/>	<input type="button" value="➡"/>
Material Group	<input type="text"/>	to	<input type="text"/>	<input type="button" value="➡"/>
Valuation Class	<input type="text"/>	to	<input type="text"/>	<input type="button" value="➡"/>

Period to Analyze

Month	<input type="text" value="01/2016"/>	to	<input type="text" value="05/2017"/>	<input type="button" value="➡"/>
-------	--------------------------------------	----	--------------------------------------	----------------------------------

Valuation

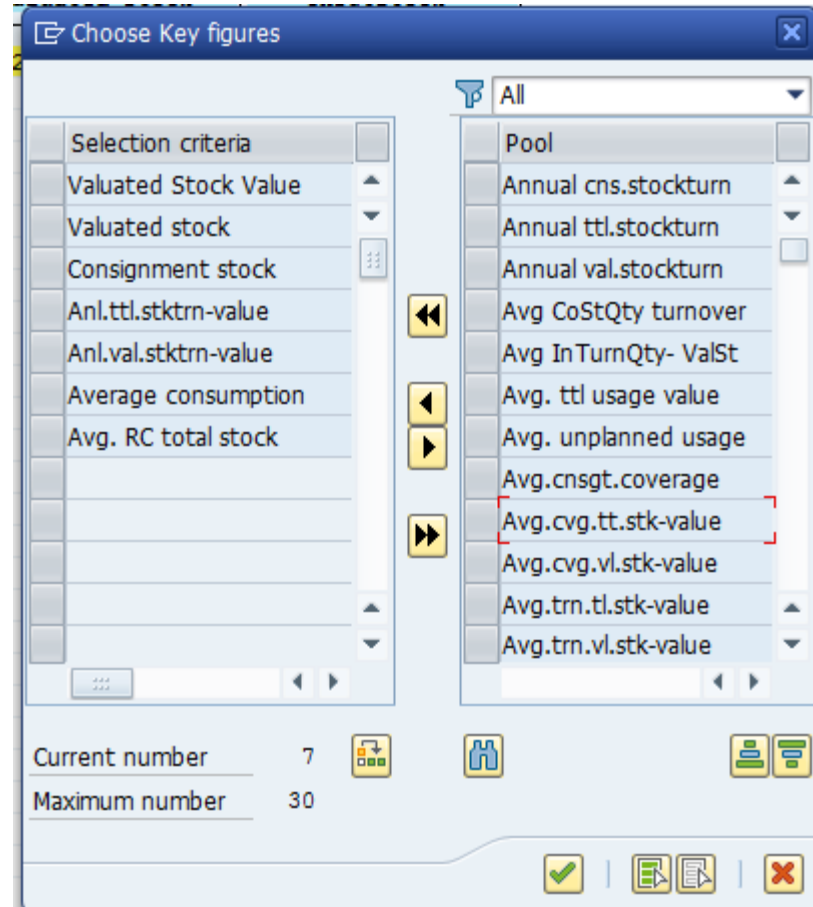
Standard
 Std w/o Distrib.
 Material Ledger Active

Here I specified a MRP Controller and a wide date range. It might take awhile to run so do have something else to do.

INVENTORY ANALYTICS

MC.9

Other key Figures really worth looking at include values around inventory turns and days of coverage (Avg. RC total stock).



INVENTORY ANALYTICS

MC.9

Material Analysis: Stock: Basic List

Switch drilldown... Top N...

No. of Material: 608

Material	ValStockValue	Valuated stock	CnsgtStock	Last consumptn	Last Receipt	. total usage	Total usage
Total	4,746,541.97 USD	146,930.000 ***	0.000 ***			9,136	167,826.000 ***
RCR07G103JS	0.00 USD	0 EA	0 EA	10/05/2016	01/03/2016	1	2 EA
RNC55H1913BS	0.00 USD	0 EA	0 EA	10/09/2016	10/17/2016	4	98 EA
RNC50H9532FS	0.00 USD	0 EA	0 EA	09/22/2016	08/20/2016	1	98 EA
RCR07G271JS	0.00 USD	0 EA	0 EA	10/08/2016	01/03/2016	1	8 EA
RCR07G202JS	0.00 USD	0 EA	0 EA	10/05/2016	01/03/2016	1	5 EA
JANIX1N5647A	0.00 USD	0 EA	0 EA	05/12/2017	02/23/2017	2	3 EA
M38510/10101BGX	0.00 USD	0 EA	0 EA	11/23/2016	11/23/2016	4	4 EA
M39015/3-008PM	0.00 USD	0 EA	0 EA	02/22/2016	01/29/2016	1	1 EA
M38510/12802BGX	0.00 USD	0 EA	0 EA	09/27/2016	01/03/2016	1	3 EA
RCR07G390JS	0.00 USD	0 EA	0 EA	10/08/2016	01/03/2016	1	4 EA
M38510/55501BZX	2,007.69 USD	1 EA	0 EA	01/10/2017	07/31/2016	2	27 EA
RCR20G302JS	0.00 USD	0 EA	0 EA	10/08/2016	01/03/2016	1	4 EA
M21038/27-02	0.00 USD	0 EA	0 EA	05/11/2017	03/31/2017	32	127 EA

Now I have something with a lot of information.

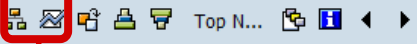
- The last consumption date and the last receipt date can give you a good view of what may be slow moving.
- “No. of Total usage: is the number of times an item has been used, which can help in the XYZ analysis).
- Total usage is both the planned and actual usage for the period/date range you requested.

INVENTORY ANALYTICS

MC.9

Step 2

Material Analysis: Stock: Basic List

Switch drilldown...  Top N...

No. of Material: 608

Material	Val StockValue	Valuated stock	CnsgtStock	Last consumptn.	Last Receipt	No. total usage	Total usage
Total	4,746,541.97 USD	146,930.000 ***	0.000 ***			0.126	167,826.000 ***
RCR07G103JS	0.00 USD	0 EA	0 EA	10/05/2016	01/03/2016		2 EA
RNC55H1913BS	0.00 USD	0 EA	0 EA	10/09/2016	10/17/2016		98 EA
RNC50H9532FS	0.00 USD	0 EA	0 EA	09/22/2016	08/20/2016		98 EA
RCR07G271JS	0.00 USD	0 EA	0 EA	10/08/2016	01/03/2016	1	8 EA
RCR07G202JS	0.00 USD	0 EA	0 EA	10/05/2016	01/03/2016	1	5 EA
JANTX1N5647A	0.00 USD	0 EA	0 EA	05/12/2017	02/23/2017	2	3 EA
M38510/10101BGX	0.00 USD	0 EA	0 EA	11/23/2016	11/23/2016	4	4 EA
M39015/3-008PM	0.00 USD	0 EA	0 EA	02/22/2016	01/29/2016	1	1 EA
M38510/12802BGX	0.00 USD	0 EA	0 EA	09/27/2016	01/03/2016	1	3 EA
RCR07G390JS	0.00 USD	0 EA	0 EA	10/08/2016	01/03/2016	1	4 EA
M38510/55501BZX	2,007.69 USD	1 EA	0 EA	01/10/2017	07/30/2016	2	27 EA
RCR20G302JS	0.00 USD	0 EA	0 EA	10/08/2016	01/03/2016	1	4 EA
M21038/27-02	0.00 USD	0 EA	0 EA	05/11/2017	03/31/2017	32	127 EA

Step 1

Keep this little icon in mind.
When I click into a table field (step 1), and then click the icon (Step 2), the next slide shows up.

INVENTORY ANALYTICS

MC.9

Time series

Key figure: No. total usage

Material	01/2016	02/2016	03/2016	04/2016	05/2016	06/2016	07/2016	08/2016
Total	180	563	997	701	611	838	729	822
RCR07G103JS	0	0	0	0	0	0	0	0
RNC55H1913BS	0	0	0	0	0	0	0	0
RNC50H9532FS	0	0	0	0	0	0	0	0
RCR07G271JS	0	0	0	0	0	0	0	0
RCR07G202JS	0	0	0	0	0	0	0	0
JANTX1N5647A	0	0	0	0	0	0	0	0
M38510/10101BGX	0	0	1	0	0	0	0	0
M39015/3-008PM	0	1	0	0	0	0	0	0
M38510/12802BGX	0	0	0	0	0	0	0	0
RCR07G390JS	0	0	0	0	0	0	0	0
M38510/55501BZX	0	0	0	0	0	0	0	0
RCR07G202JS	0	0	0	0	0	0	0	0

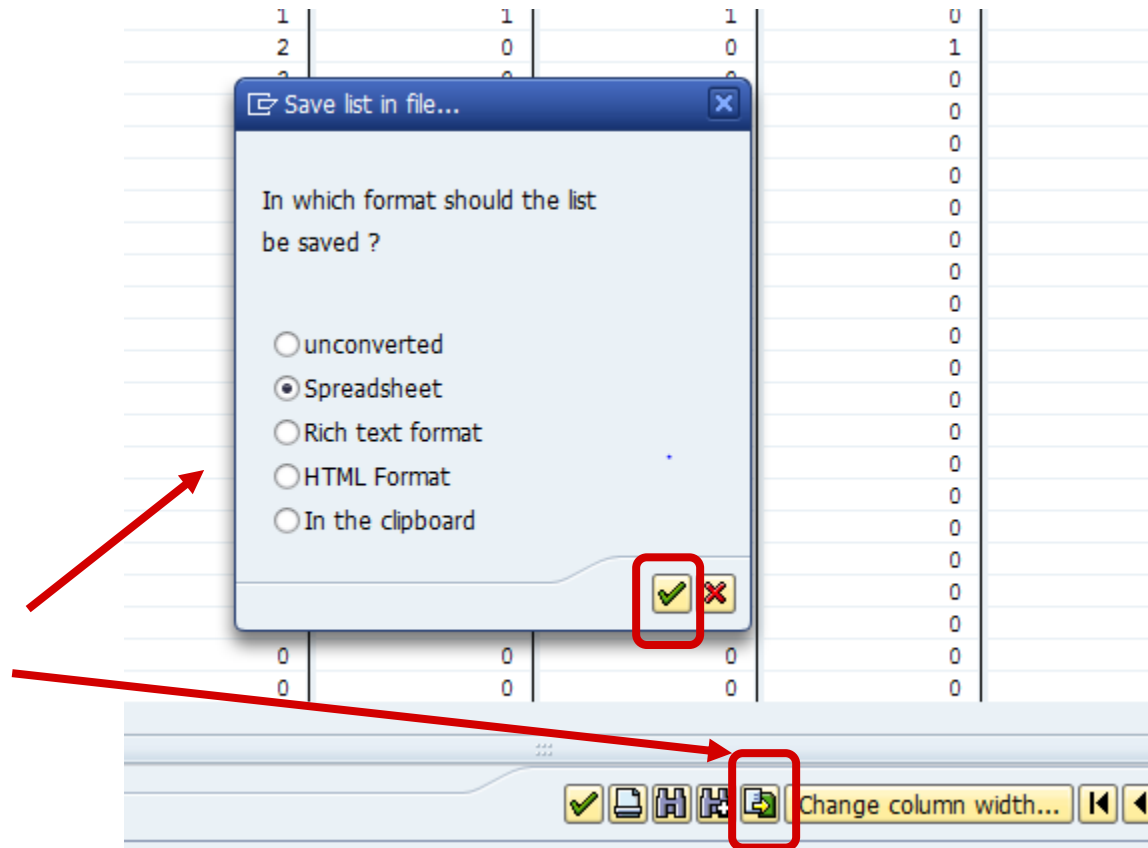
The field selected was the number of total usage (number of time an item was used, not the number of pieces used). If you recall when we ran this by MRP controller, we selected the date range 1/2016 to 5/2017. This now shows us all the total usages by month.

INVENTORY ANALYTICS

MC.9

In the lower right hand corner is an export button so if you are doing an XYZ analysis, you can pull it into a spreadsheet for easier manipulation.

Click the little side ways arrow and the "Save List" pops up, and then select the green check mark and a location to save it.



INVENTORY ANALYTICS

MC.9

I am going to do the same thing for Total usage (which is the quantity used by month) and save that as well.

1. Greencheck mark
2. Select directory
3. Name/Save file

Material	01/2016	02/2016	03/2016	04/2016	05/2016	06/2016	07/2016
Total	339.000 ***	4,759.000 ***	4,864.000 ***	2,966.000 ***	2,355.000 ***	2,337.000 ***	2,522.000 ***
RCR07G103JS	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA
RNC55H1913BS	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA
RNC50H9532FS	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA
RCR07G271J5	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA
RCR07G202J5	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA
JANTX1N5647A	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA
M38510/10101BGX	0 EA	0 EA	1 EA	0 EA	0 EA	0 EA	0 EA
M39015/3-008FM	0 EA	1 EA	0 EA	0 EA	0 EA	0 EA	0 EA
M38510/12802BGX	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA
RCR07G390J5	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA
M38510/55501BZX	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA
RCR20G302J5	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA
M21038/27-02	0 EA	20 EA	3 EA	7 EA	9 EA	3 EA	15 EA
D55342K07B1E82R	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA
D55342K07B2E49R	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA
D55342K07B332DR	0 EA	12 EA	0 EA	0 EA	4 EA	0 EA	0 EA
JANTX2N5237	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA
M55302/63A36H	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA
5962-8763001RX	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA
5962-8769401RX	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA
7802301EX	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA
RCR20G151J5	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA	0 EA

1. Greencheck mark

2. Select directory

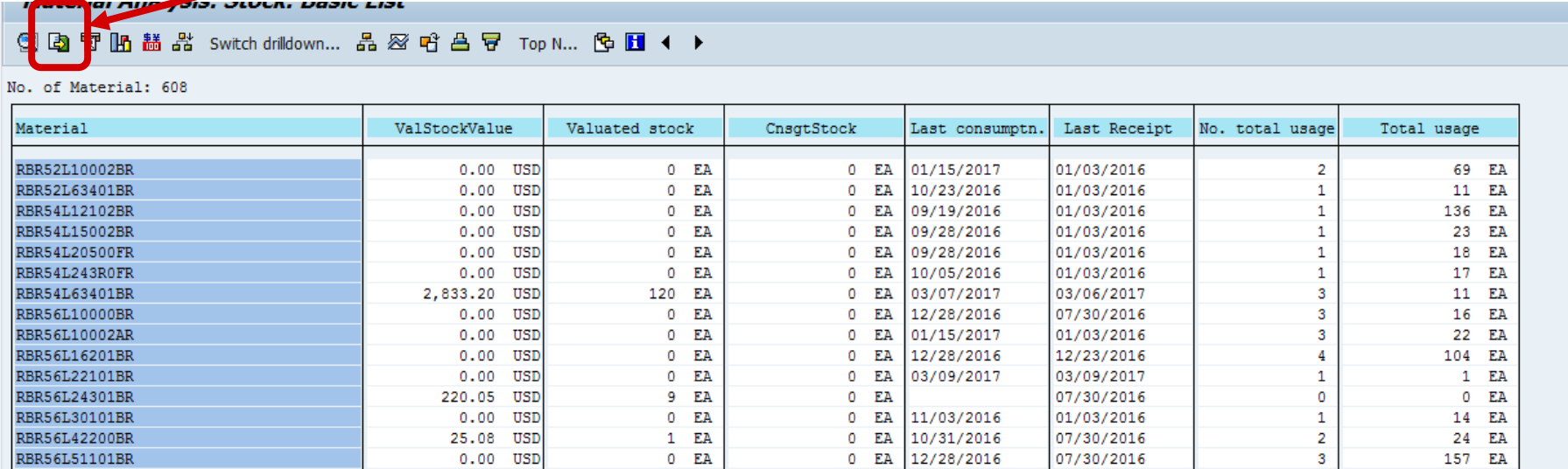
3. Name/Save file

SubmitAndPray.com

INVENTORY ANALYTICS

MC.9

I will also export the higher-level current state snapshot. Note the export arrow is in the upper left corner for this one.



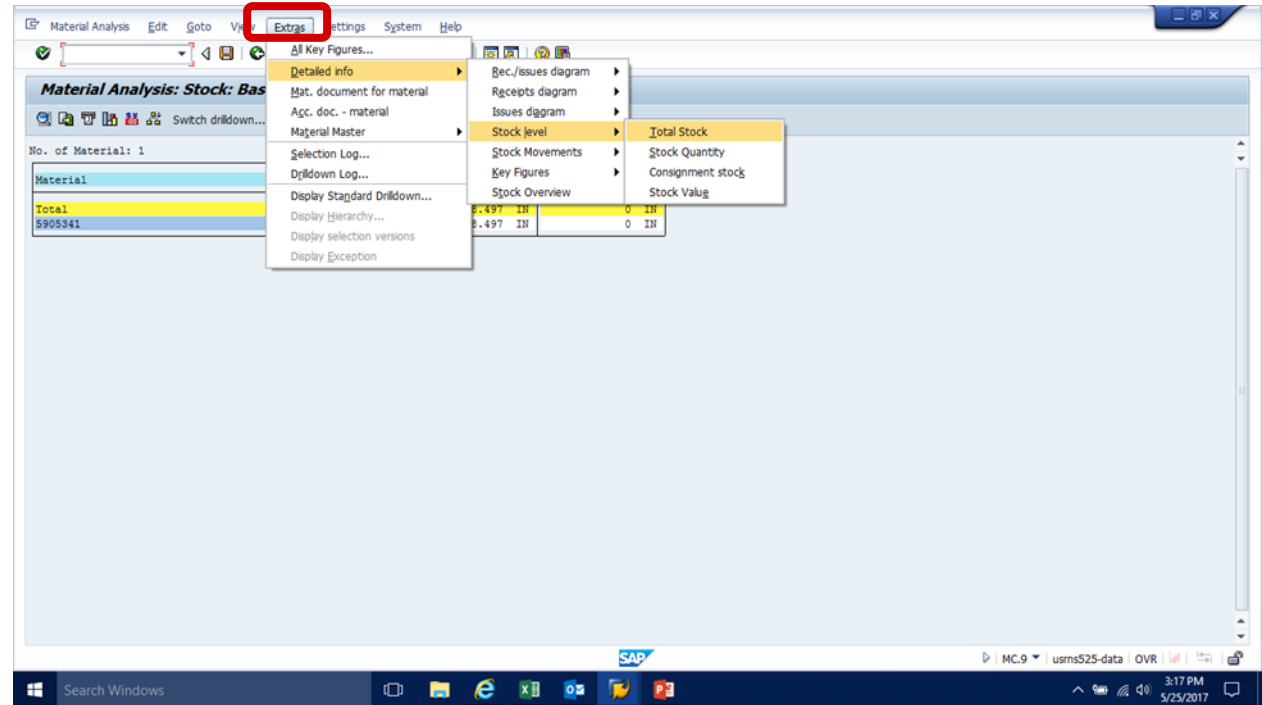
No. of Material: 608

Material	ValStockValue	Valuated stock	CnsgtStock	Last consumptn.	Last Receipt	No. total usage	Total usage
RBR52L10002BR	0.00 USD	0 EA	0 EA	01/15/2017	01/03/2016	2	69 EA
RBR52L63401BR	0.00 USD	0 EA	0 EA	10/23/2016	01/03/2016	1	11 EA
RBR54L12102BR	0.00 USD	0 EA	0 EA	09/19/2016	01/03/2016	1	136 EA
RBR54L15002BR	0.00 USD	0 EA	0 EA	09/28/2016	01/03/2016	1	23 EA
RBR54L20500FR	0.00 USD	0 EA	0 EA	09/28/2016	01/03/2016	1	18 EA
RBR54L243R0FR	0.00 USD	0 EA	0 EA	10/05/2016	01/03/2016	1	17 EA
RBR54L63401BR	2,833.20 USD	120 EA	0 EA	03/07/2017	03/06/2017	3	11 EA
RBR56L10000BR	0.00 USD	0 EA	0 EA	12/28/2016	07/30/2016	3	16 EA
RBR56L10002AR	0.00 USD	0 EA	0 EA	01/15/2017	01/03/2016	3	22 EA
RBR56L16201BR	0.00 USD	0 EA	0 EA	12/28/2016	12/23/2016	4	104 EA
RBR56L22101BR	0.00 USD	0 EA	0 EA	03/09/2017	03/09/2017	1	1 EA
RBR56L24301BR	220.05 USD	9 EA	0 EA		07/30/2016	0	0 EA
RBR56L30101BR	0.00 USD	0 EA	0 EA	11/03/2016	01/03/2016	1	14 EA
RBR56L42200BR	25.08 USD	1 EA	0 EA	10/31/2016	07/30/2016	2	24 EA
RBR56L51101BR	0.00 USD	0 EA	0 EA	12/28/2016	07/30/2016	3	157 EA

INVENTORY ANALYTICS

MC.9/MC48 Graphing Note

Note that you can get to the graphs in MC.9 by following this path from the drop downs, but remember it will only show the specified date range.



INVENTORY ANALYTICS

MC48 Stock Value

This transaction code has an excellent visual feature that can show when an item is in control or out of control.

We will walk through two examples, one based on looking at a single item, and the other based on the ABC classification.

Key Figure: Stock Value

Objects to analyze

All plants cumulated

Sales Organization to

Purchasing organization to

Plant to

Area to analyze

Material 5905341 to

Materials marked for deletion

Material Group to

Material Type to

ABC Indicator to

Purchasing Group to

MRP Type to

MRP Controller to

Scope of ranking list

No restriction

Stock value from 100,000 to

No. of materials with greatest stock value 5

No. of materials with smallest stock value 5

Key Figure: Stock Value

Objects to analyze

All plants cumulated

Sales Organization to

Purchasing organization to

Plant 2730 to

Area to analyze

Material to

Materials marked for deletion

Material Group to

Material Type to

ABC Indicator A to

Purchasing Group to

MRP Type to

MRP Controller to

Scope of ranking list

No restriction

Stock value from 100,000 to

No. of materials with greatest stock value 5

No. of materials with smallest stock value 5

INVENTORY ANALYTICS

MC48

Single item 5905341 for plant 2730.

I found this when looking at the highest dollar items compared to the total usage for the last 15 months in MC.9.

I loaded the plant number and the part number together and executed the transaction.

Material	ValStockValue	Valuated stock	Total Consumption- last 15 months
7100649H02	\$ 838,818	57	803
7100651H03	\$ 682,863	47	522
7002200-6	\$ 654,372	208	888
7011020H17	\$ 496,011	30	318
5905341	\$ 347,284	37,954.50	241,045
M22759/11-16-0	\$ 309,061	1,208,684.08	154,739
7001349A	\$ 304,094	47	939

Key Figure: Stock Value

Objects to analyze

- All plants cumulated
- Sales Organization: to
- Purchasing organization: to
- Plant: 2730

Area to analyze

- Material: 5905341
- Materials marked for deletion
- Material Group: to
- Material Type: to
- ABC Indicator: to
- Purchasing Group: to
- MRP Type: to
- MRP Controller: to

Scope of ranking list

- No restriction
- Stock value from 100,000 to
- No. of materials with greatest stock value 5
- No. of materials with smallest stock value 5

INVENTORY ANALYTICS

MC48

Key Figure: Stock Value

Detailed Display ABC analysis Classification Double-line Triple-line Sort in desc. order Sort in asc. order

Plant 2730 Analysis date 05/25/2017

Analysis: current inventory

Number of selected materials: 1

Stock value 345,984.35 USD

Material	Short text	Current
5905341	SOLDER	34

Detailed Info on Material

Material 5905341

Plant..... 2730

Goods movements (graphical/tabular)

- Cumulative receipts/issues diagram
- Goods issues
- Goods receipts
- Stock level
- Stock movements
- Cumulative stock movements
- Stock overview

Back

This comes up next.
Now I am going to click on the line.
Next hit the "Detailed Display" button.

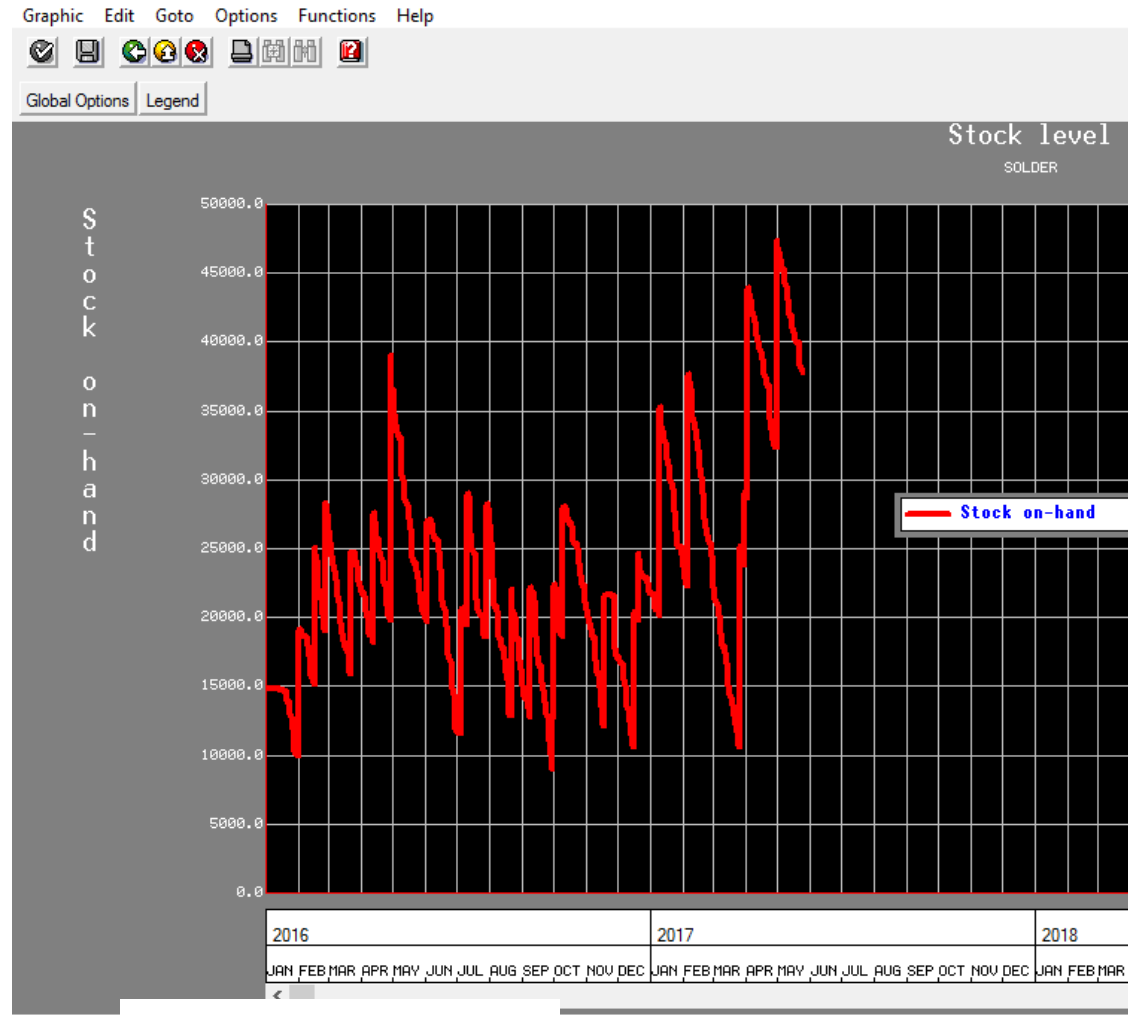
This should bring you here.
Select the Stock level.
Hit the green check mark.

INVENTORY ANALYTICS

MC48

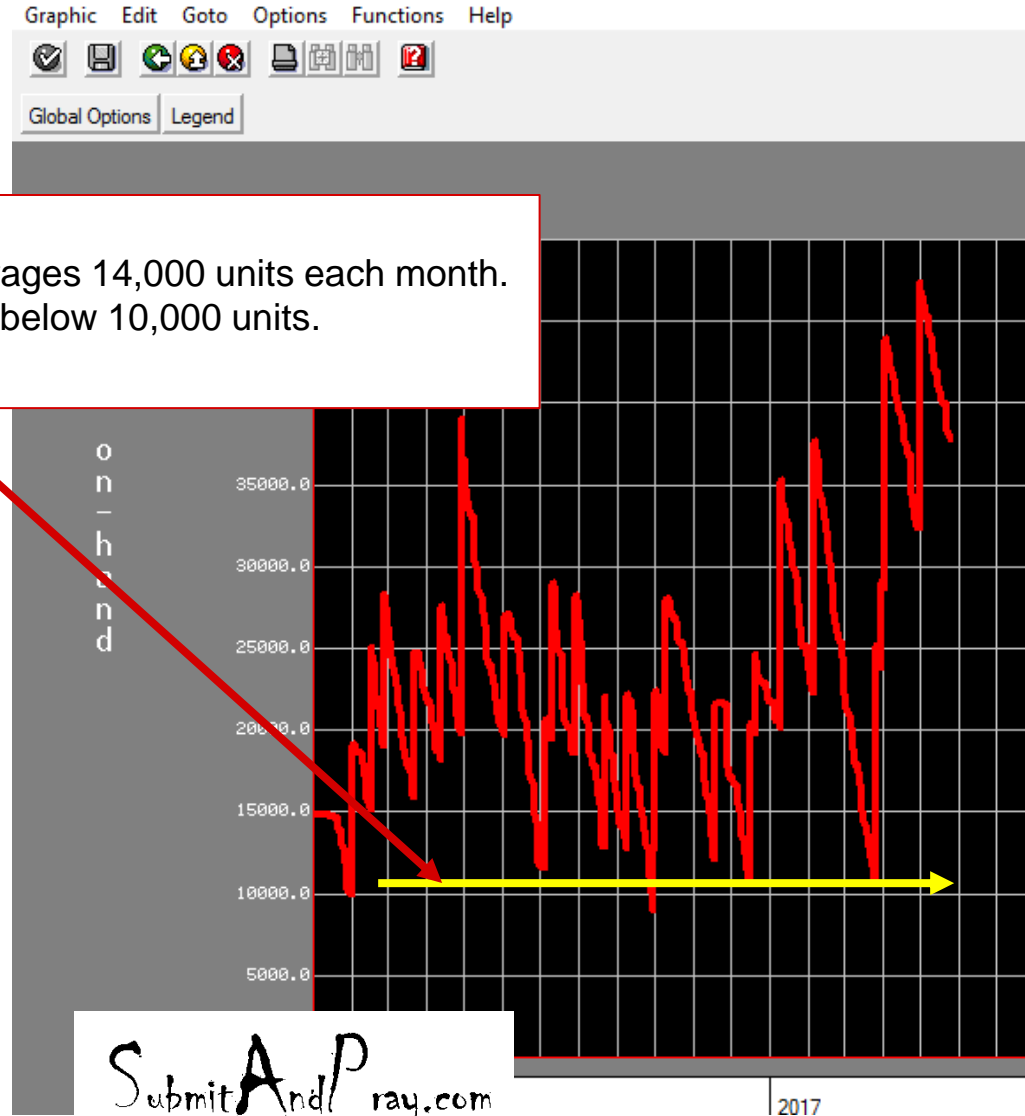
This is not the classic APICS saw tooth, showing receipts and consumption over time by showing the on hand stock level at different points of time.

Every time the line moves up, it signals a receipt, and as it goes down, it signals consumption.



INVENTORY ANALYTICS

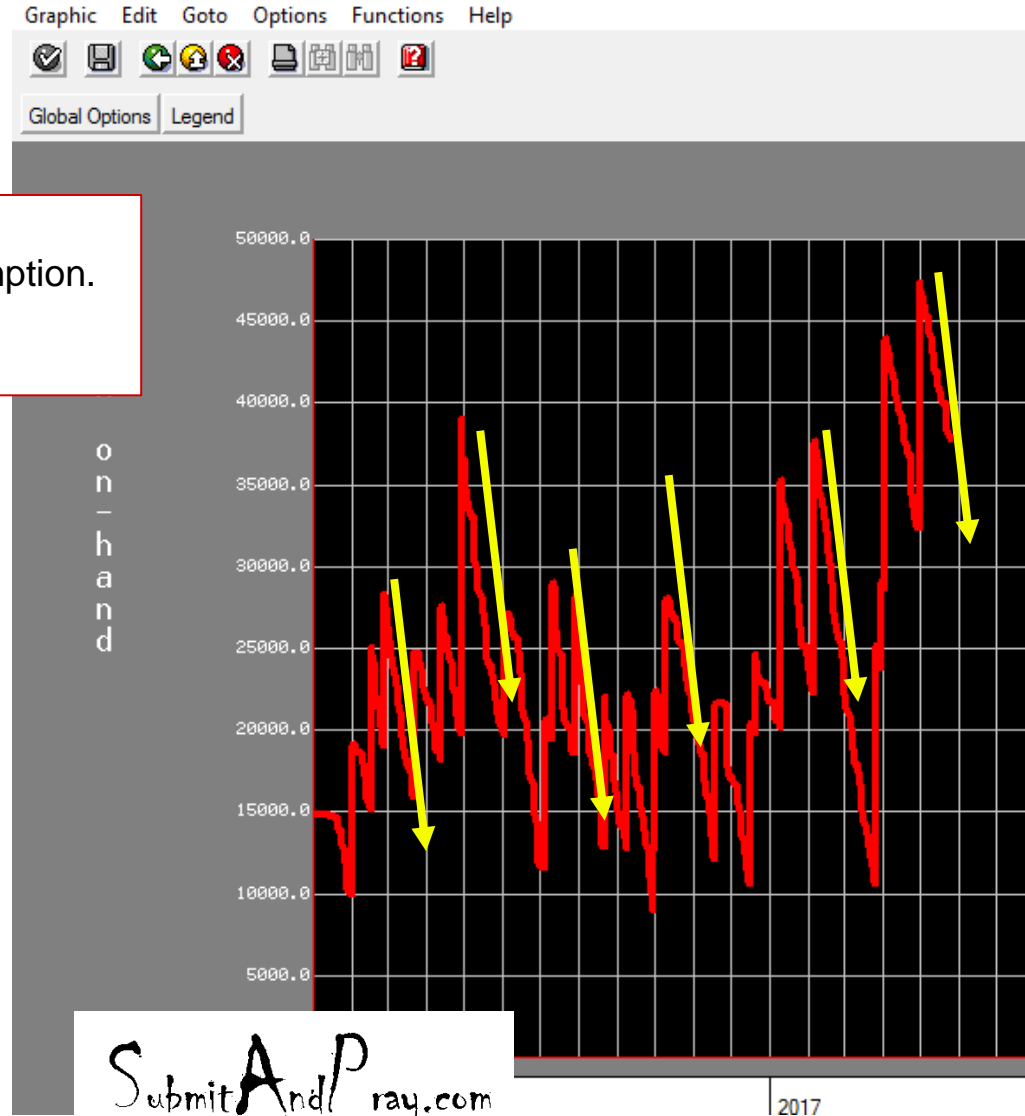
MC48



INVENTORY ANALYTICS

MC48

What to do with this...?
Next look at the slope of the consumption.
It does not change much.
Consumption is steady.

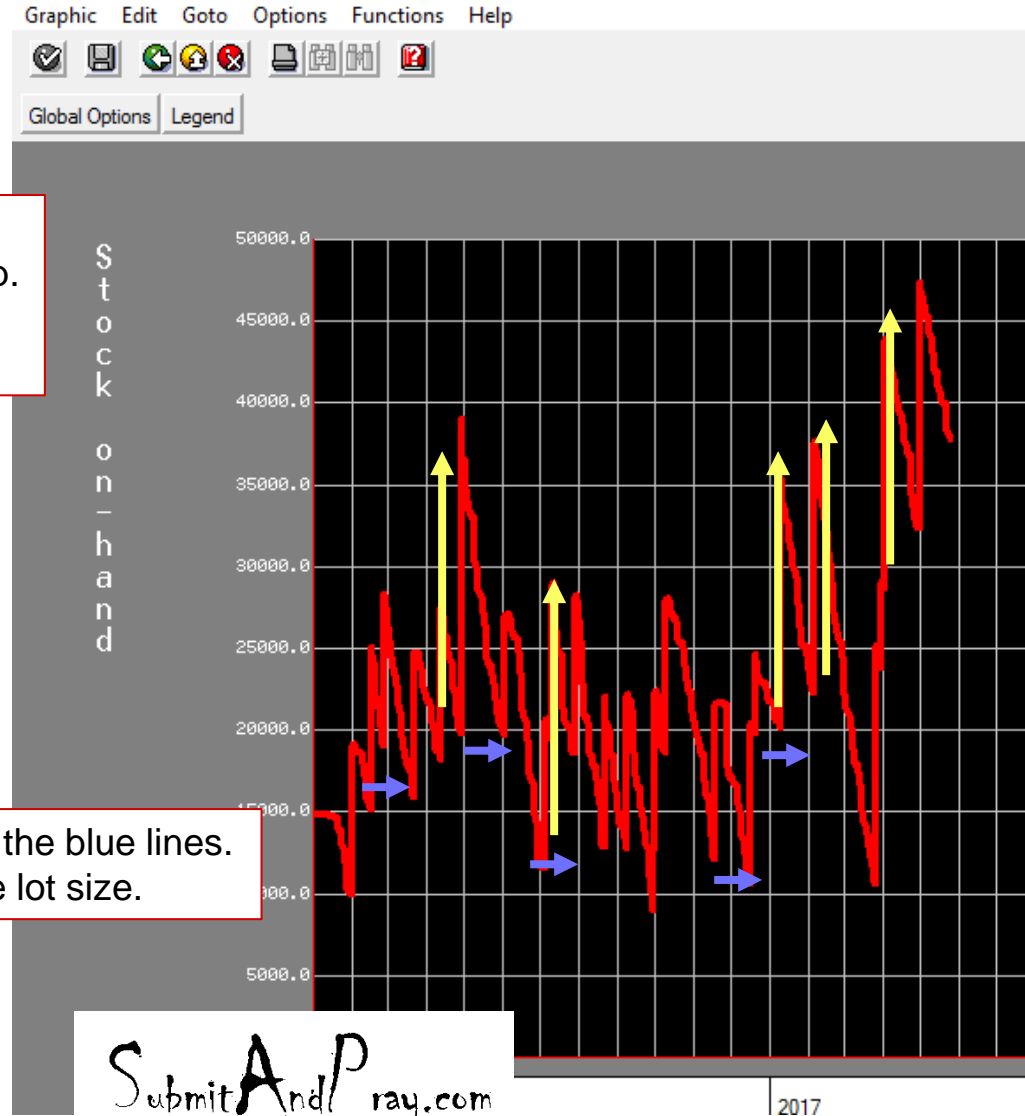


INVENTORY ANALYTICS

MC48

What to do with this...?
Look at how the yellow line jumps up.
This gives you information on the lot size.

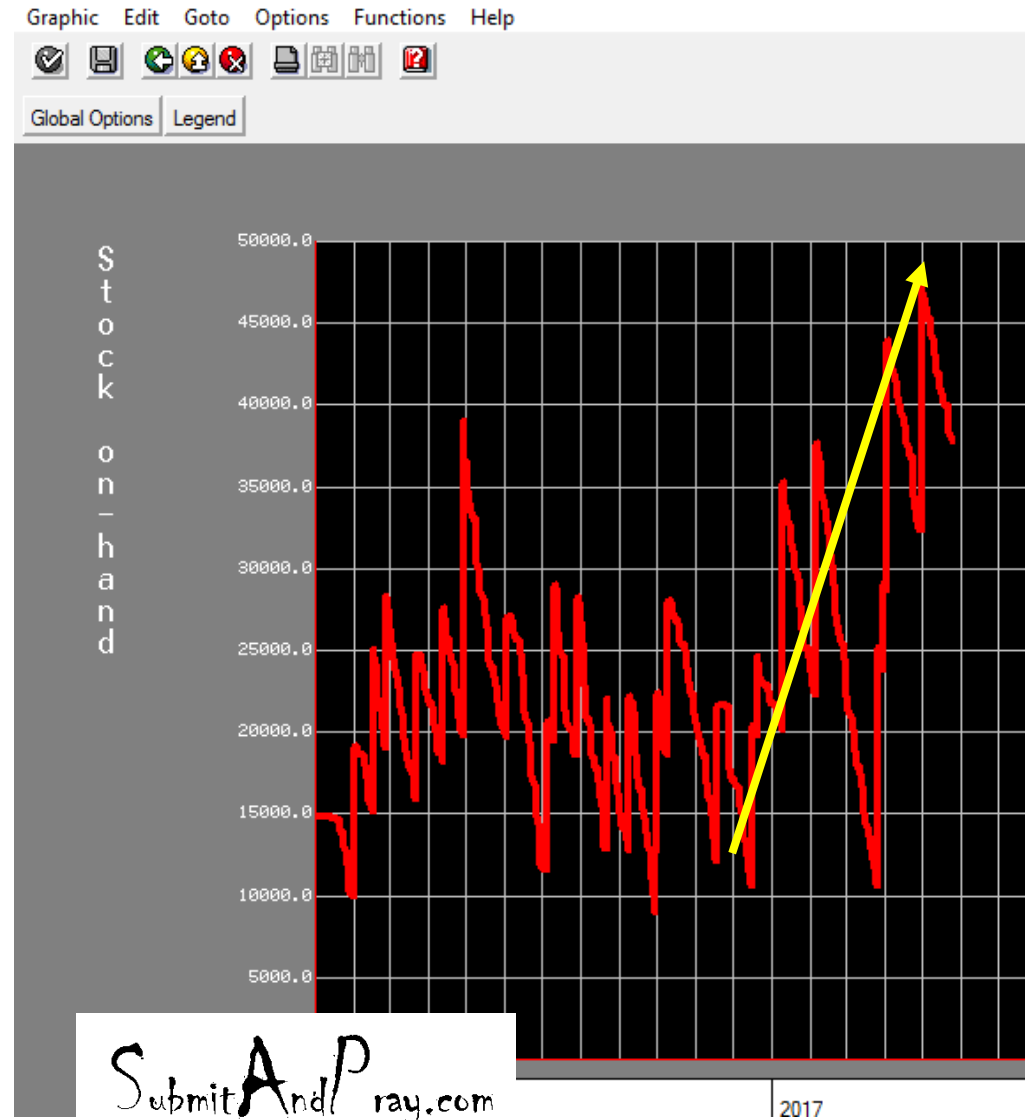
If you look across the horizontal axis, at the blue lines.
You can see how long it takes to use the lot size.



INVENTORY ANALYTICS

MC48

What to do with this...?
Next note inventory is trending up.
Why?



INVENTORY ANALYTICS

MC48

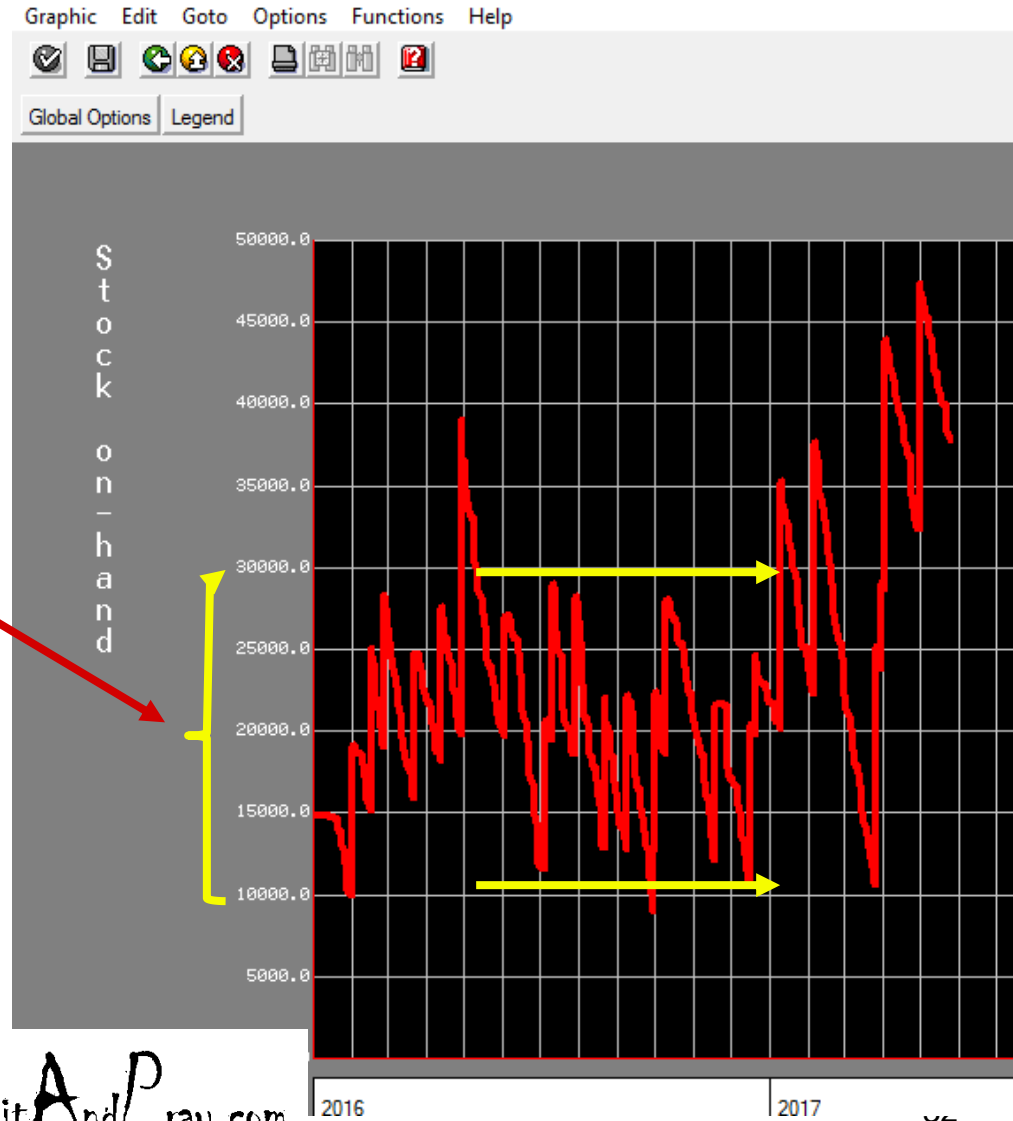
What to do with this...?

Next note there seems to have been a sweet spot on this.

Note the “sweet spot” is the most controlled range.

We are running between 11,000 and 25,000 units.

When I look at the open Purchase orders, we are ordering 15,000 units at a time.



INVENTORY ANALYTICS

MC48

Grouping first in Monthly buckets I notice we have open Purchase orders, we are ordering 15,000 units each month, and the receipts are in blue font which means there is an exception.

Let's now open it up to the smallest buckets and go look at the exceptions (hit the puzzle piece to do this).

Stock/Requirements List: Period Totals as of 08:00 hrs

Show Overview Tree

Material SOLDER

MRP area OE

Plant 2730 MRP type PD Material Type 2002 Unit IN 8130394 05/10/17

🧩 Individual List Cross-Plant View

Days Weeks Months

A..	Period/seg...	Plnd ind.re...	Requireme...	Receipts	Avail. quantity	ATP quan...	Actual...
	Stock				37,589.497	1	53.9
	M 02/2017	0	35-	0	37,554.497	0	120.9
	M 03/2017	0	22-	0	37,532.497	0	99.9
	M 04/2017	0	499-	0	37,033.497	0	73.9
	M 05/2017	0	6,421-	0	30,612.497	0	51.9
	M 06/2017	0	12,845-	15,400	33,167.497	0	57.7
	M 07/2017	0	10,247-	15,400	38,320.497	0	59.4
	M 08/2017	0	13,621-	15,400	40,099.497	0	61.8
	M 09/2017	0	12,001-	15,400	43,498.497	0	67.2
	M 10/2017	0	...,060.500-	15,400	43,837.997	0	68.4

INVENTORY ANALYTICS

MC48

Looking just at the purchase order and the exception message we can see the order is due June 8 with the exception message suggesting a push out to 8/15.

Stock/Requirements List as of 08:00 hrs

Show Overview Tree | Parameter Effectivity | Delivery Priority

Material: 5905341 SOLDER

MRP area: [redacted]

Plant: [redacted] MRP type: PD Material Type: 2002 Unit: IN 8130394 05/10/17

Individual List | Cross-Plant View

A..	Date	MRP ...	MRP element data	Rescheduli...	E..	Receipt/Reqmt	Available Qty	Su...	Iss...	St...
	06/07/2017	DepReq	7001332D			140-	27,883.497			GEN1
	06/07/2017	DepReq	7001332D			140-	27,743.497			GEN1
	06/07/2017	DepReq	772327-02			2-	27,741.497			RP11
	06/07/2017	DepReq	727529			21-	27,720.497			RP11
	06/07/2017	DepReq	1713022-01			54-	27,666.497			RP11
	06/07/2017	DepReq	1713594C			198-	27,468.497			GEN1
	06/08/2017	POItem	0010736298/00010	08/15/2017	15	15,400	42,868.497			REC1
	06/08/2017	DepReq	7000898H02			28-	42,840.497			GEN1
	06/08/2017	DepReq	PH738312			2-	42,838.497			RP11
	06/08/2017	DepReq	1713022-02			81-	42,757.497			RP11
	06/08/2017	DepReq	728908			11-	42,746.497			RP11
	06/08/2017	DepReq	1702724-01			13-	42,733.497			RP11
	06/08/2017	DepReq	770405-02			96-	42,637.497			SPD1

Stock/Requirements List as of 08:00 hrs

Show Overview Tree | Parameter Effectivity | Delivery Priority

Material: [redacted] SOLDER

MRP area: [redacted] PRO Mechanical OE

Plant: [redacted] MRP type: PD Material Type: 2002 Unit: IN

Individual List | Cross-Plant View

A..	Date	MRP ...	MRP element data	Rescheduli...	E..	Receipt/Reqmt	Available Qty
	05/26/2017	STOCK					37,55
	05/26/2017	SafeSt	Safety Stock			1-	37,58

One comment on this item – the safety stock is set a 1 unit which looks almost like a default value.

INVENTORY ANALYTICS

MC48

There is a comment on this item that was added recently.

Click on it to reveal the text.

Stock/Requirements List as of 10:47 hrs

Show Overview Tree | Parameter Effectivity | Delivery Priority | MMBE - Stock Overview | ZMM_INVC

Material: SOLDER
MRP area: [redacted]
Plant: [redacted] MRP type: PD Material Type: 2002 Unit: IN

8130394 06/14/17

A.	Date	MRP ...	MRP element data	Rescheduli...	E..	Receipt/Reqmt	Available Qty	Su...	Iss...	St...
	06/21/2017	Stock					44,249.497			
	06/21/2017	SafeSt	Safety Stock			1-	44,248.497			
	03/21/2017	OrdRes	1714106-02			20-	44,228.497			RP11
	04/26/2017	OrdRes	PH1708371A							
	04/26/2017	DepReq	PH1708371A							
	05/01/2017	OrdRes	1719911A							

Change : 100000000001386947/2730 Language EN

Parag.Formats: *Paragraph, left-aligned Char.Formats: [dropdown]

quantities and dates agreed to through EOY to secure favorable pricing.

SubmitAndPray.com

INVENTORY ANALYTICS



MC48

Looking at a single item is a fine way to introduce the transaction, but there are a lot of items, so we need a way to group and prioritize what we look at.

The most common way to group items is through MRP Controller codes.


Let's look at MRP Controller code 40T.


Key Figure: Stock Value


 

Objects to analyze


All plants cumulated

Sales Organization to 


Purchasing organization to 


Plant to 


Area to analyze


Material to 


Materials marked for deletion


Material Group to 

Material Type to 

ABC Indicator to 

Purchasing Group to 

MRP Type to 

MRP Controller 

Scope of ranking list

No restriction

Stock value from to

No. of materials with greatest stock value

No. of materials with smallest stock value

INVENTORY ANALYTICS

MC48

This view gives me quite a bit of information on where the dollars are in this MRP Controller so I can prioritize my review.

The first item makes up 25.69 % of my dollars in this code, with the second item making up 5.78%. Combined, they accumulate to 31.47%.

I can then go in and do the same analytics I would do on a single item to see what was going on with my inventory dollars.

Key Figure: Stock Value

ABC analysis Classification Double-line Triple-line Sort in desc. order Sort in asc. order

Plant 2... Analysis date 05/26/2017

Analysis: current inventory

Number of selected materials: 7,589

Stock value 1,339,062.92 USD



Material	Short text	Current stock value	%	cum.%
S908341	SOLDER	343,953.05 USD	25.69 %	25.69 %
M16878/4BFE4	WIRE TFE	77,446.38 USD	5.78 %	31.47 %
SA763467	MFG - SOLENOID ASSY	57,096.00 USD	4.26 %	35.73 %
13430AB09L	COPPER WIRE	43,187.94 USD	3.23 %	38.96 %
MS41.01-28	WIRE, ROUND MAGNET, HML INSULA	33,162.63 USD	2.48 %	41.44 %
7100899	INTERPHASE TRANSFORMER ASSEMBL	30,327.50 USD	2.26 %	43.70 %
49A1015-9	WINDING HEATER	23,992.28 USD	1.79 %	45.49 %
MS41.11-21	WIRE, ROUND MAGNET, POLYAMIDEI	23,757.06 USD	1.77 %	47.27 %
MS41.03-14.5	WIRE, SQUARE MAGNET, HML INSUL	22,191.84 USD	1.66 %	48.92 %
1723876	BAND, ROTOR	21,990.18 USD	1.64 %	50.57 %
770405-01	CORE & COIL ASY	20,662.50 USD	1.54 %	52.11 %
MS41.01-34	WIRE, ROUND MAGNET, HML INSULA	20,254.43 USD	1.51 %	53.62 %
7100898	AUTO-TRANSFORMER ASSEMBLY, 5.5	19,013.82 USD	1.42 %	55.04 %
MS41.01-30	WIRE, ROUND MAGNET, HML INSULA	17,755.49 USD	1.33 %	56.37 %
MS41.11-25	WIRE, ROUND MAGNET, POLYAMIDEI	17,682.92 USD	1.32 %	57.69 %
935A162-1	MFG - TRANSFORMER	14,968.07 USD	1.12 %	58.81 %
MS41.11-28	WIRE, ROUND MAGNET, POLYAMIDEI	14,887.26 USD	1.11 %	59.92 %
5915833-4	CORE, TORIOD	14,284.60 USD	1.07 %	60.98 %
756722B	SOLENOID VALVE ASSEMBLY	13,665.30 USD	1.02 %	62.00 %
7005275-01	INDUCTOR HOUSING ASSEMBLY, INS	13,192.85 USD	0.99 %	62.99 %
770405-02	CORE & COIL ASY	12,913.23 USD	0.96 %	63.95 %
MS41.01-37	WIRE, ROUND MAGNET, HML INSULA	12,774.65 USD	0.95 %	64.91 %
MS45.07-20	TAPE, ELECTRICAL, POLYIMIDE BA	11,780.32 USD	0.88 %	65.79 %

INVENTORY ANALYTICS

MC48


You can also run this by ABC indicator and again work through a group of parts for higher impact.


Key Figure: Stock Value


 

Objects to analyze


All plants cumulated

Sales Organization to 


Purchasing organization to 


Plant to 




Area to analyze


Material to 


Materials marked for deletion


Material Group to 

Material Type to 

ABC Indicator   to 

Purchasing Group to 

MRP Type to 

MRP Controller to 

Scope of ranking list

No restriction

Stock value from 100,000 to

No. of materials with greatest stock value 5

No. of materials with smallest stock value 5

INVENTORY ANALYTICS

MC48

We can also run the t-code wide open, and check the ABC Analysis.

Select ABC Analysis, and a pop up will appear.

You will have the option to change the segment sizes.

If you like it, accept and hit the green checkmark.

The screenshot shows the SAP Key Figure: Stock Value interface. The 'ABC analysis' button is highlighted with a red box. A red arrow points from the text 'and check the ABC Analysis.' to this button. Below the main table, a pop-up window titled 'ABC Analysis: Choose Strategy' is visible, also highlighted with a red box. A red arrow points from the text 'and a pop up will appear.' to this window. The pop-up contains four radio button options: 'Total current inventory (%)', 'Number Materials (%)', 'current inventory (absolute)', and 'Number Materials'. The first option is selected.

Material	Short text	Current sto
7100649H02	LIQUID PUMP MOTOR CONT OUTLINE	956,546
7100651H03	LIQUID PUMP MOTOR CONT OUTLINE	813,624
7002200-6	COVER, RESOLVER ACCESS	651,226
7011020H17	COMPRESSOR, SCROLL	496,010
7001349A	STATOR ASSEMBLY, MAIN INSEPAR	336,444
5905341		316,923
M22759/1-1	9, CURTAG, PTFE, BLACK	308,248
7000702		282,066
1710648	ROTOR, INS	280,055
7011020H16		278,053
1724725-4	D, INSEPARABLE	245,073
762105	INSEPARA	244,961
BL762374	ROTOR, MA	242,922
NAS1351N-24	1.750 LG	235,897
SF700559		226,663
1723165	CORE ASSEMBLY, ROTOR, MAIN, I	194,185

The screenshot shows the 'ABC Analysis: Strategy Parameters' dialog box. The 'Strategy' field is set to 'Total current inventory (%)'. The 'Segment sizes' section is visible, with the following values:

Segment	Size (%)
A segment	70
B segment	20
C segment	10

A red box highlights the '70' value for the A segment. A red arrow points from the text 'You will have the option to change the segment sizes.' to this value. At the bottom right, a red box highlights the green checkmark icon, with a red arrow pointing from the text 'If you like it, accept and hit the green checkmark.' to it.

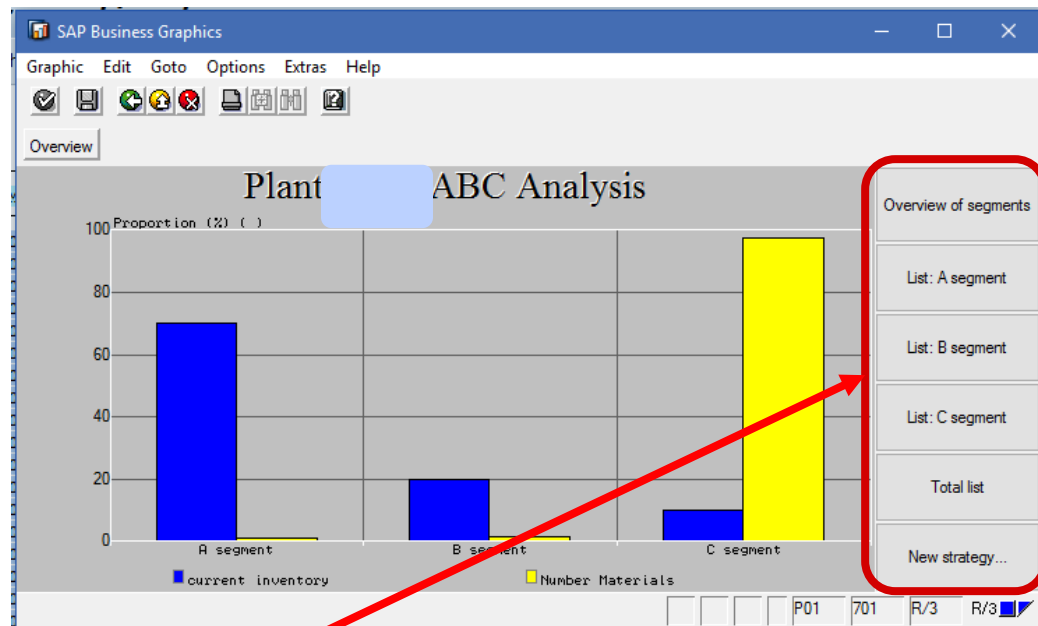
SubmitAndPray.com

INVENTORY ANALYTICS

MC48

The ABC shows you your total current inventory (Blue) compared to the number of parts in the category (yellow bar).

You can also drill into an overview or Lists of the individual segments.



In the overview we can see the number of materials and current dollars in each category.

Segments	Materials		current inventory in segment	
A segment	219	0.95 %	17,303,169.36 USD	70.07 %
B segment	366	1.59 %	4,921,948.89 USD	19.93 %
C seg			2,469,068.41 USD	10.00 %
Total			24,694,186.66 USD	100.00 %

SubmitAndPray.com

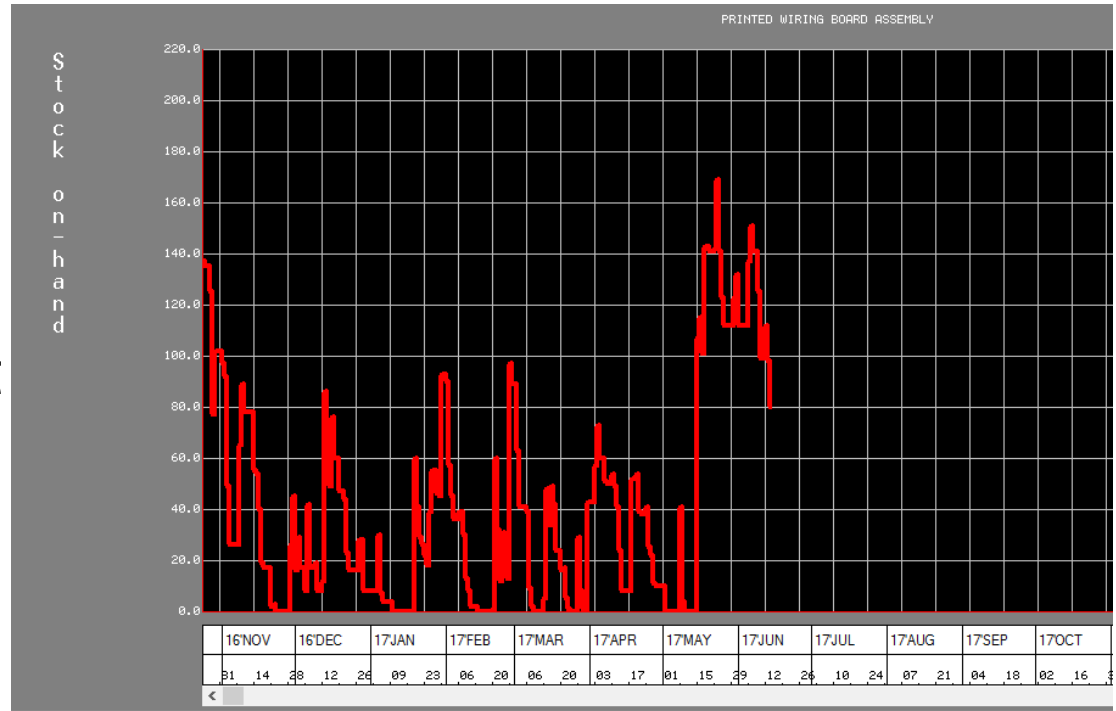
INVENTORY ANALYTICS

MC48

A cautionary note....

Sometimes when an item is consumed on a slightly irregular basis it can be hard to read the actual consumption from the graph.

In those case, go to MC.9 and follow the process around extraction of total usage.



INVENTORY ANALYTICS

MC.9

Item	01/2016	02/2016	03/2016	04/2016	05/2016	06/2016	07/2016	08/2016
TOTAL	160	160	160	160	160	160	160	160
MC48	0	0	0	0	0	0	0	0
MC49	0	0	0	0	0	0	0	0
MC50	0	0	0	0	0	0	0	0
MC51	0	0	0	0	0	0	0	0
MC52	0	0	0	0	0	0	0	0
MC53	0	0	0	0	0	0	0	0
MC54	0	0	0	0	0	0	0	0
MC55	0	0	0	0	0	0	0	0
MC56	0	0	0	0	0	0	0	0
MC57	0	0	0	0	0	0	0	0
MC58	0	0	0	0	0	0	0	0
MC59	0	0	0	0	0	0	0	0
MC60	0	0	0	0	0	0	0	0
MC61	0	0	0	0	0	0	0	0
MC62	0	0	0	0	0	0	0	0
MC63	0	0	0	0	0	0	0	0
MC64	0	0	0	0	0	0	0	0
MC65	0	0	0	0	0	0	0	0
MC66	0	0	0	0	0	0	0	0
MC67	0	0	0	0	0	0	0	0
MC68	0	0	0	0	0	0	0	0
MC69	0	0	0	0	0	0	0	0
MC70	0	0	0	0	0	0	0	0
MC71	0	0	0	0	0	0	0	0
MC72	0	0	0	0	0	0	0	0
MC73	0	0	0	0	0	0	0	0
MC74	0	0	0	0	0	0	0	0
MC75	0	0	0	0	0	0	0	0
MC76	0	0	0	0	0	0	0	0
MC77	0	0	0	0	0	0	0	0
MC78	0	0	0	0	0	0	0	0
MC79	0	0	0	0	0	0	0	0
MC80	0	0	0	0	0	0	0	0
MC81	0	0	0	0	0	0	0	0
MC82	0	0	0	0	0	0	0	0
MC83	0	0	0	0	0	0	0	0
MC84	0	0	0	0	0	0	0	0
MC85	0	0	0	0	0	0	0	0
MC86	0	0	0	0	0	0	0	0
MC87	0	0	0	0	0	0	0	0
MC88	0	0	0	0	0	0	0	0
MC89	0	0	0	0	0	0	0	0
MC90	0	0	0	0	0	0	0	0
MC91	0	0	0	0	0	0	0	0
MC92	0	0	0	0	0	0	0	0
MC93	0	0	0	0	0	0	0	0
MC94	0	0	0	0	0	0	0	0
MC95	0	0	0	0	0	0	0	0
MC96	0	0	0	0	0	0	0	0
MC97	0	0	0	0	0	0	0	0
MC98	0	0	0	0	0	0	0	0
MC99	0	0	0	0	0	0	0	0
MC100	0	0	0	0	0	0	0	0

The field selected was the number of total usage (number of time an item was used, not the number of pieces used). If you recall when we ran this by MRP controller, we selected the date range 1/2016 to 5/2017. This now shows us all the total usages by month.

INVENTORY ANALYTICS

MC50 Dead Stock

This transaction code is oddly named and can sometimes confuse people with regards to what “Dead Stock” is. The materials can be active and not in a condition of excess or obsolete. The concept is that there is a level of inventory which you never dip below. Set up and execution is similar to other MC screens.

“Dead Stock” should be seen as a potential opportunity to reduce inventory levels.

The screenshot shows the SAP MC50 Dead Stock analysis interface. It includes a 'Key Figure: Dead Stock' header, a configuration area for objects to analyze, period to analyze, and area to analyze. A 'Detailed Info on Material' dialog box is open, showing 'Material 5905341' and 'Plant 2735'. The dialog has radio buttons for 'Cumulative receipts/issues diagram', 'Goods issues', 'Goods receipts', 'Stock level' (selected), 'Stock movements', 'Cumulative stock movements', and 'Stock overview'. A 'SAP Statistics Graphics' window is also visible, showing a 'Stock level SOLDER' line chart for the year 2017. Red boxes and arrows highlight specific elements: '1' points to the 'Objects to analyze' section; '2' points to the 'Detailed Display' button; '3' points to the 'Stock level' radio button; and '4' points to the line chart.

2- note there is a value associated with the material that is “opportunity”

Material	Short text	Unit	€	cum. €
5905341	SOLDER	USD	100.00	100.00

Submit And Pray.com

INVENTORY ANALYTICS

MCBE: Stock Turnover

MCBE tracks receipts, stock issuance, and consumption for a plant, MRP Controller, or materials for the date ranges specified.

It is accessed much like MC.9.

Material Analysis (INVC0): Selection

🕒 📄 📊 📅 📌 📁 SelectVers. 📄 User settings ⚙️ Standard drilldown

Characteristics

Plant	<input type="text"/>	to	<input type="text"/>	
Storage Location	<input type="text"/>	to	<input type="text"/>	
Material	<input type="text"/>	to	<input type="text"/>	
MRP Controller	<input type="text"/>	to	<input type="text"/>	

Material Groupings

Material Type	<input type="text"/>	to	<input type="text"/>	
Material Group	<input type="text"/>	to	<input type="text"/>	
Valuation Class	<input type="text"/>	to	<input type="text"/>	

Period to Analyze

Month	<input type="text" value="03/2017"/>	to	<input type="text" value="05/2017"/>	
-------	--------------------------------------	----	--------------------------------------	--

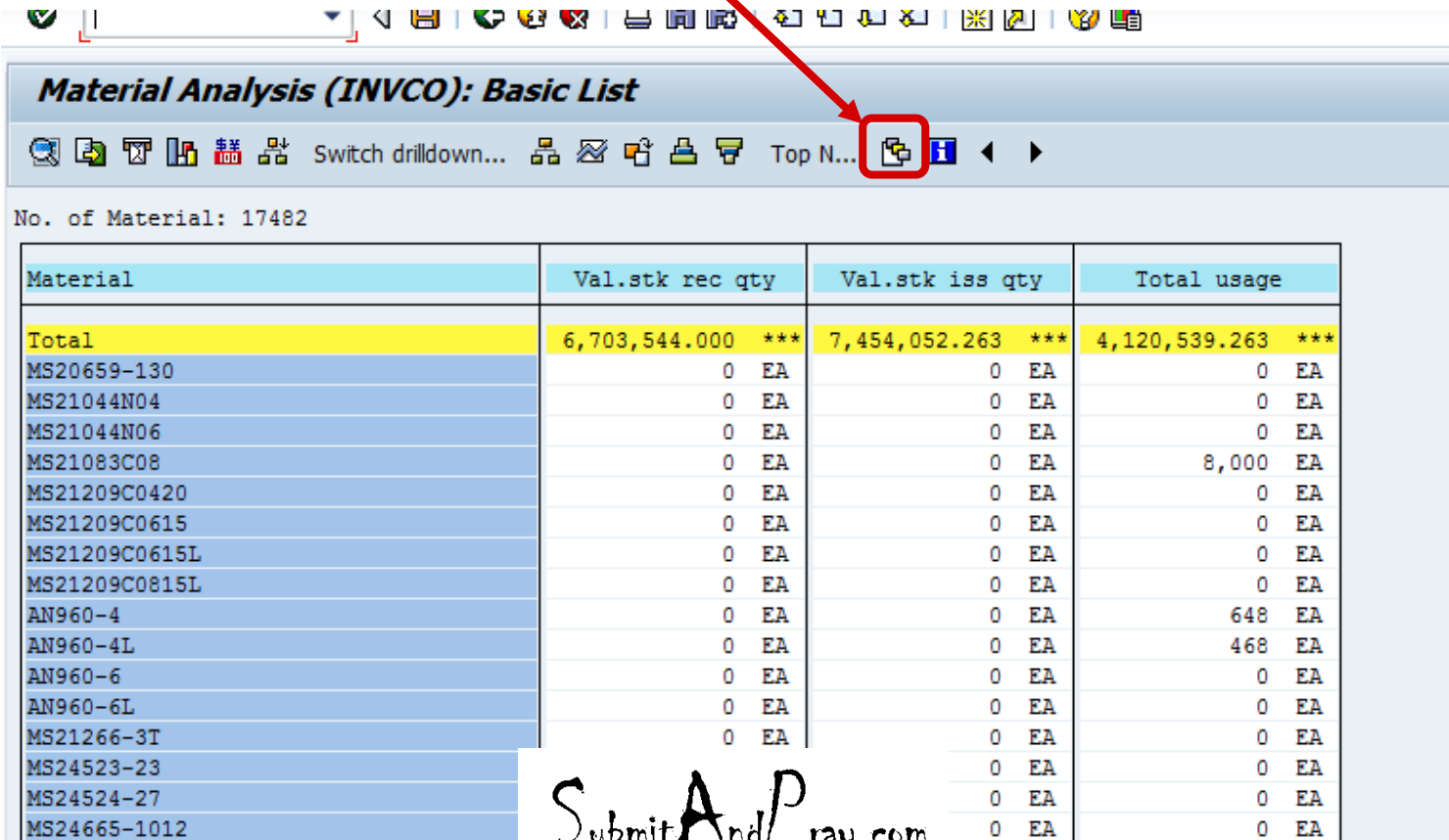
Valuation

Standard
 Std w/o Distrib.
 MaterialLedger Active
 Current Price

INVENTORY ANALYTICS

MCBE: Stock Turnover

MCBE defaults to this screen, but we do have the option of adding more detail with the below icon.



Material Analysis (INVCO): Basic List

No. of Material: 17482

Material	Val.stk rec qty	Val.stk iss qty	Total usage
Total	6,703,544.000 ***	7,454,052.263 ***	4,120,539.263 ***
MS20659-130	0 EA	0 EA	0 EA
MS21044N04	0 EA	0 EA	0 EA
MS21044N06	0 EA	0 EA	0 EA
MS21083C08	0 EA	0 EA	8,000 EA
MS21209C0420	0 EA	0 EA	0 EA
MS21209C0615	0 EA	0 EA	0 EA
MS21209C0615L	0 EA	0 EA	0 EA
MS21209C0815L	0 EA	0 EA	0 EA
AN960-4	0 EA	0 EA	648 EA
AN960-4L	0 EA	0 EA	468 EA
AN960-6	0 EA	0 EA	0 EA
AN960-6L	0 EA	0 EA	0 EA
MS21266-3T	0 EA	0 EA	0 EA
MS24523-23		0 EA	0 EA
MS24524-27		0 EA	0 EA
MS24665-1012		0 EA	0 EA

Submit And Pray.com

INVENTORY ANALYTICS

MCBE: Stock Turnover

Material Analysis (INVC0): Basic List

No. of Material: 17482

Material	Val.stk rec qty	Val.stk iss qty	Total usage	AnValStkTrn-Val	AvgVa
MS20659-130	0 EA				
MS21044N04	0 EA				
MS21044N06	0 EA				
MS21083C08	0 EA				
MS21209C0420	0 EA				
MS21209C0615	0 EA				
MS21209C0615L	0 EA				
MS21209C0815L	0 EA				
AN	0 EA				
AN	0 EA				
AN	0 EA				
AN	0 EA				
MS	0 EA				
MS	0 EA				
MS	0 EA				
MS24665-1012	0 EA				
MS24693-C2	0 EA				
MS24693-C28	0 EA				
MS24693C30	0 EA				
MS24693C48	0 EA				
MS24693-C74	0 EA				
MS24693S26	0 EA				
MS24693S4	0 EA				
MS25036-105	0 EA				
MS25036-115	0 EA				
MS25036-144	0 EA				
MS25036-146	0 EA				
MS25036-150	0 EA				

Choose Key figures

Selection criteria

- Val. stock receipts
- Val. stock issues
- Total consumption
- Anl.val.stktrn-value
- Mean val.stk.issues
- Last consumption
- Total stock
- Valuated Stock Value

Pool

- Anl.ttl.stktrn-value
- Annual cns.stockturn
- Annual ttl.stockturn
- Annual val.stockturn
- Average consumption
- Avg CoStQty turnover
- Avg InTurnQty- ValSt
- Avg. RC total stock
- Avg. ttl usage value
- Avg. unplanned usage
- Avg.cnsqt.coverage
- Avg.cvg.tl.stk-value

Some excellent data elements to add include these dimensions.

Select dimensions here, then move them over by Clicking the black sideways pyramid

INVENTORY ANALYTICS

MCBE: How is my Stock Turning?

This transaction can give you information on how an item is turning, what items have usage, how much is in inventory, etc.

And just like with MC.9 you can break it down into a time series by element by clicking into a field and hitting the small graph like icon.

Material Analysis (INVCO): Basic List

Switch dropdown... Top N...

No. of Material: 17482

Material	Val.stk rec qty	Val.stk iss qty	Total usage	ValStockValue	Valuated stock	AnValStkTrn-Val	Last Receipt	Last consumptn.
Total	6,703,544.000 ***	7,454,052.263 ***	4,120,539.263 ***	36,946,783.62 USD	8,649,826.471 ***	25.84		
MS20659-130	0 EA	0 EA	0 EA	0.00 USD	0 EA	0.00	01/03/2016	
MS21044N04	0 EA	0 EA	0 EA	0.00 USD	0 EA	0.00	10/17/2016	10/09/2016
MS21044N06	0 EA	0 EA	0 EA	0.00 USD	0 EA	0.00	01/03/2016	09/28/2016
MS21083C08	0 EA	0 EA	8,000 EA	0.00 USD	0 EA	99,999.00	01/17/2017	05/02/2017
MS21209C0420	0 EA	0 EA	0 EA	0.00 USD	0 EA	0.00	01/03/2016	10/08/2016
MS21209C0615	0 EA	0 EA	0 EA	0.00 USD	0 EA	0.00	01/03/2016	10/08/2016
MS21209C0615L	0 EA	0 EA	0 EA	12.48 USD	2 EA	0.00	10/17/2016	10/11/2016
MS21209C0815L	0 EA	0 EA	0 EA	0.00 USD	0 EA	0.00	10/04/2016	10/08/2016
AN960-4	0 EA	0 EA	648 EA	0.00 USD	0 EA	99,999.00		04/11/2017
AN960-4L	0 EA	0 EA	488 EA	0.00 USD	0 EA	99,999.00		05/02/2017
AN960-6	0 EA	0 EA	0 EA	0.08 USD	8 EA	0.00	08/24/2016	08/30/2016
AN960-6L	0 EA	0 EA	0 EA	0.38 USD	64 EA	0.00	01/03/2016	
MS21266-3T	0 EA	0 EA	0 EA	0.00 USD	0 EA	0.00	01/03/2016	09/28/2016
MS24523-23	0 EA	0 EA	0 EA	0.00 USD	0 EA	0.00	07/22/2016	10/05/2016
MS24524-27	0 EA	0 EA	0 EA	0.00 USD	0 EA	0.00	11/23/2016	01/21/2017
MS24665-1012	0 EA	0 EA	0 EA	0.21 USD	20 EA	0.00	02/16/2017	02/14/2017
MS24693-C2	0 EA	0 EA	0 EA	0.00 USD	0 EA	0.00	01/03/2016	07/21/2016
MS24693-C28	0 EA	0 EA	6,000 EA	0.00 USD	0 EA	99,999.00		04/04/2017
MS24693C30	0 EA	0 EA	0 EA	0.00 USD	0 EA	0.00	01/03/2016	09/28/2016
MS24693C48	0 EA	0 EA	300 EA	1.26 USD	42 EA	25.71	05/09/2016	05/09/2017
MS24693-C74	0 EA	0 EA	0 EA	0.00 USD	68 EA	7.94	06/24/2016	03/14/2017
MS24693S26	0 EA	0 EA	0 EA	0.00 USD	0 EA	0.00	11/19/2016	11/21/2016
MS24693S4	0 EA	0 EA	0 EA	0.00 USD	0 EA	99,999.00	07/05/2016	04/25/2017
MS25036-105	0 EA	0 EA	0 EA	0.00 USD	0 EA	0.00	09/16/2016	09/19/2016








SubmitAndPray.com

INVENTORY ANALYTICS




MCPW: Are My Lead Times Correct on make parts?

MCPW tells you what your actual lead times were in a given period, compared to what you planned lead times were, per item or by MRP Controller. Here I am running it wide open for a plant with the default date range.


Material Analysis: Lead Time: Selection

       SelectVers. User settings Standard drilldown

Characteristics

Plant	<input type="text" value=""/>	to	<input type="text" value=""/>	
MRP controller	<input type="text" value=""/>	to	<input type="text" value=""/>	
Material	<input type="text" value=""/>	to	<input type="text" value=""/>	

Period to analyze

Month	<input type="text" value="04/2017"/>	to	<input type="text" value="05/2017"/>	
-------	--------------------------------------	----	--------------------------------------	---

Parameters

Exception	<input type="text" value=""/>
-----------	-------------------------------

INVENTORY ANALYTICS

MCPW

Just like most MC screens there are icons that allow you to select more options and build more data into the report.

Material Analysis: Lead Time: Basic List

Switch drilldown... Top N...

No. of Plant: 1

Plant	TgtLeadTm.	ActLeadTm.
Total	7.9 DAY	9 DAY
PRO Mechanical OE	7.9 DAY	9 DAY

No. of Plant: 1

Plant	TgtLeadTm.	ActLeadTm.	Actual scrap	Act. queue time	No.prod. orders
Total	7.9 DAY	9 DA	130 EA	28- DAY	7,358
PRO Mechanical OE	7.9 DAY	9 DA	130 EA	28- DAY	7,358

Double clicking in a cell will show more detail

All Key Figures

Actual Scrap Qty	130	EA
Actual exec. time	37	DAY
Actual lead time	9	DAY
Actual queue time	28-	DAY
No.production orders	7,358	
Order item quantity	71,114	EA
P/A delivery dev.	8-	DAY
P/A lead time dev.	0	DAY
P/A qty deviation	8,854-	EA
P/A release dev.	6.5-	DAY
P/A scrap deviation	130	EA
P/A start deviat		
P/T delivery dev.		
P/T qty deviation		
P/T release dev.		
P/T scrap deviation		

Choose Key figures

All

Pool

- Actual exec. time
- Order item quantity
- P/A delivery dev.
- P/A lead time dev.
- P/A qty deviation
- P/A release dev.
- P/A scrap deviation
- P/A start deviation
- P/T delivery dev.
- P/T qty deviation
- P/T release dev.
- P/T scrap deviation

Current number: 5
Maximum number: 30

INVENTORY ANALYTICS

MCPW

Drill down on PRO Mechanical by double clicking on it.

Drill down deeper by double clicking on the MRP Controller names to get to the materials themselves.

Material Analysis: Lead Time: Basic List

Switch drilldown... Top N...

No. of Plant: 1

Plant	TgtLeadTm.	ActLeadTm.	Actual scrap	Act. queue time	No.prod. orders
Total	7.9 DAY	9 DAY	130 EA	28- DAY	7,358
	7.9 DAY	9 DAY	130 EA	28- DAY	7,358

Material Analysis: Lead Time: Drilldown

Switch drilldown... Top N...

Plant: PRO Mechanical OE

No. of MRP controller: 13

MRP controller	TgtLeadTm.	ActLeadTm.	Actual scrap	Act. queue time	No.prod. orders
Total	7.9 DAY	9 DAY	130 EA	28- DAY	7,358
Beatriz Rodriguez	7.3 DAY	6.5 DAY	0 EA	23.8- DAY	770
Ramos, Enid	13.3 DAY	10.7 DAY	1 EA	29.3- DAY	415
Cuevas, Carmen	17.8 DAY	16.3 DAY	53 EA	81.9- DAY	555
Soldevila, Rafael	7.1 DAY	13.6 DAY	31 EA	89.9- DAY	224
CRISTINA, JEFF	6 DAY	8 DAY	0 EA	1.8- DAY	1
Martin,Marjorie	6.2 DAY	5.3 DAY	0 EA	4.3- DAY	1,157
Adnerilyis Rivera	10.6 DAY	10.3 DAY	15 EA	11.3- DAY	686
Israel Assis	21 DAY	52 DAY	0 EA	95.8- DAY	8
Luis Carrillo	4.7 DAY	4.9 DAY	0 EA	0.6- DAY	1,681
Rodriguez, Bruno	11.4 DAY	13.9 DAY	13 EA	79.3- DAY	331

Material Analysis: Lead Time: Drilldown

Switch drilldown... Top N...

Plant: PRO Mechanical OE

MRP controller: Cuevas, Carmen

No. of Material: 117

Material	TgtLeadTm.	ActLeadTm.	Actual scrap	Act. queue time	No.prod. orders
Total	12.8 DAY	16.3 DAY	53 EA	81.9- DAY	555
HOUSING ASSEMBLY, CENTER, STAT	22 DAY	7.5 DAY	0 EA	47.7- DAY	14
ROTOR ASSEMBLY, EXCITER	0 DAY	96 DAY	0 EA	146.2- DAY	1
STATOR ASSEMBLY, PMG	8.3 DAY	22.8 DAY	0 EA	149- DAY	8
STATOR ASSEMBLY, PMG	8.4 DAY	14.9 DAY	0 EA	98.8- DAY	9
STATOR ASSEMBLY, PMG	7.3 DAY	6 DAY	1 EA	51.7- DAY	3
STATOR ASSEMBLY, PMG	11.3 DAY	7.5 DAY	1 EA	53.5- DAY	4
STATOR ASSEMBLY, PMG	10 DAY	19.3 DAY	4 EA	113.6- DAY	10
STATOR ASSEMBLY, PMG	9.8 DAY	8.5 DAY	0 EA	38.2- DAY	6
ROTOR ASSEMBLY, EXCITER	8.4 DAY	17.6 DAY	0 EA	93.9- DAY	9
ROTOR ASSEMBLY, EXCITER	7.1 DAY	10.4 DAY	0 EA	24.3- DAY	7
ROTOR ASSEMBLY, EXCITER	26 DAY	62 DAY	0 EA	61.4 DAY	1
HOUSING ASSEMBLY, INPUT, STATO	18.6 DAY	15.8 DAY	0 EA	35.5- DAY	9
HOUSING ASSEMBLY, END, STATOR	8.3 DAY	10.8 DAY	0 EA	61- DAY	8
HOUSING ASSEMBLY, INPUT, STATO	10.3 DAY	14.5 DAY	0 EA	127.3- DAY	8
ROTOR ASSEMBLY, EXCITER	12.9 DAY	15.6 DAY	10 EA	86- DAY	2
STATOR ASSEMBLY, PMG	10.8 DAY	13.3 DAY	4 EA	109.8- DAY	2
COIL PMG	4 DAY	1.5 DAY	0 EA	0.8- DAY	2
STATOR ASSEMBLY, PMG	9.4 DAY	15.3 DAY	1 EA	140.5- DAY	2
STATOR ASSEMBLY, PMG	5 DAY	7 DAY	0 EA	10- DAY	2

Submit And Pray.com

INVENTORY ANALYTICS

KPIs

How do we know what our “normal” is? “Normal” is about maintaining our processes within their capability range, and reacting to variances to our “normal” capability.

What metrics tell us if we are “Keepin’ it between the ditches”?

INVENTORY ANALYTICS

KPIs

Shipments at COGS

Average Inventory Value

Turns Trend

Dead Stock Value

Dead Stock as a % of total inventory

Inventory value of Non-Moving parts

Safety Stock/Buffers value

Days coverage of safety stock

of Stock outs

Days supply/Replenishment Lead time

Daily Product Rate/Consumption value

Target Value = Average Daily consumption x RLT x Cost x safety factor (X=1.2, Y=1.4, Z=2.0)