



## Alert - GRPO Price Vs Cost Variance

### Alert Overview:

This Alert notifies a user when a price on an item on a GRPO has a price that is more than 10% different than the current cost of that item.

### Purpose of the Alert:

This report helps monitor purchases where the price on the purchase document will change the cost of the item.

### Parameters:

The alert should be set to run each morning, so that the user catches all the purchase orders placed the previous day.

### Example Results / Scenario:

This alert is very similar to the Purchase Order alert that shows the same thing. The difference is that after the Purchase oRder is entered, you will have ample time to go and make the change to the PO. But once a GRPO is input, it has already updated the cost of the item. So, this alert is very useful in notifying the user of items whose cost has been updated by a GRPO by more than 10%.

### SQL Query

```
/*
This Alert Displays Goods Receipt POs that have a variance in the
purchase price vs. the Average price of the goods
It looks for Open GRPOs updated in the last week
*/
-- Here you can set the Variance Percentage to report
-- Any Variance Greater than this will show up in the alert
-- Replace this value with your desired percentage (original value is
10)
Declare @Percentage AS INT = 10
-- Here you can set the number of days prior to today that
-- will display in the alert
-- Replace this value (original value is 7)
Declare @NumDays AS INT = 7
-- These are the columns that will be displayed
Select  T0.[DocNum]
        , T0.[DocDate]
        , T0.[CardCode]
```



```
, T0.[CardName]
, T0.[NumAtCard] As 'Vend Ref#'
, T1.[ItemCode]
, T1.[Dscription] As 'Item Name'
, T1.[InvQty]
, (T1.[LineTotal]/T1.[InvQty]) As Price
, T4.[AvgPrice]
, (T1.[LineTotal]/T1.[InvQty]) - T4.[AvgPrice] AS 'Difference
$'
, Case
    When T4.[AvgPrice] = 0 Then 0
    Else (((T1.[LineTotal]/T1.[InvQty]) - T4.[AvgPrice]) /
T4.[AvgPrice] * 100))
    End AS 'Variance %'
-- Here are the tables the data comes from
From OPDN T0
Inner Join PDN1 T1
ON T1.DocEntry = T0.DocEntry
Inner Join OCRD T2
ON T2.CardCode = T0.CardCode
Inner JOIN OITM T3
ON T3.ItemCode = T1.ItemCode
INNER JOIN OITW T4
ON T4.ItemCode = T1.ItemCode
AND T4.WhsCode = T1.WhsCode
Where T0.[DocStatus] IN ('O')
    AND T3.[InvntItem] = 'Y'
    AND ((CASE
        When T4.[AvgPrice] = 0
        Then ABS(((T1.[LineTotal]/T1.[InvQty]) - T4.[AvgPrice]) /
1 * 100)
        Else ABS(((T1.[LineTotal]/T1.[InvQty]) - T4.[AvgPrice]) /
ISNULL(T4.[AvgPrice],1) * 100)
        End >= @Percentage)
    OR
        T1.[Price] = '0'
    )
    AND DATEDIFF ( DAY ,T0.UpdateDate, GETDATE()) <= @NumDays

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