



Alert - Purchase Price Vs Cost Variance

Summary

This Alert notifies a user when a price on a Purchase Order is more than 10% different than the current cost of the 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 report is very helpful in preventing GRPOs that throw off the cost of an item and then effect production costs. With this Alert, if a user enters a price on a Purchase Order that is going to change the cost of an item by more than 10%, the alert will notify the recipient. This will allow you to go in and change the purchase order with the correct price.

SQL QUERY

```
/*  
This Alert Displays Purchase Orders that have a variance in the  
purchase price vs. the Average price of the goods  
It looks for Open Purchase orders 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 OPOR T0
Inner Join POR1 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
For Browse
```