

Exploring material postings

Database:

SAP table MSEG joined with material master tables. In the following example 808 thousand rows for 15 month are going to be analyzed.



After the import to the data model the file size shrinks from 124 MB to 11 MB



Linked tables in PowerPivot
>800 thousand rows in this example



One possible report:

Monthly check for the A-materials: usage, units, price per unit

Year	Month	Usage in €			Units			Price per Unit		
		gas engine T	housings Z	connector V	gas engine T	housings Z	connector V	gas engine T	housings Z	connector V
2014	1	301.056	52.200	52.520	37	5	7	8.137	10.440	7.503
2014	2	444.126	69.157	66.927	52	8	10	8.541	8.645	6.693
2014	3	499.881	21.495	60.964	60	2	10	8.331	10.747	6.096
2014	4	298.057	60.590	94.644	34	5	13	8.766	12.118	7.280
2014	5	259.757	52.474	51.654	34	6	10	7.640	8.746	5.165
2014	6	331.278	77.988	82.971	40	8	14	8.282	9.749	5.927
2014	7	430.190	147.440	62.998	51	13	8	8.435	11.342	7.875
2014	8	119.572	45.673	32.971	14	4	4	8.541	11.418	8.243
2014	9	452.261	78.571	35.974	52	6	5	8.697	13.095	7.195
2014	10	382.646	159.289	61.006	44	12	8	8.696	13.274	7.626
2014	11	539.422	69.988	130.371	62	9	17	8.700	7.776	7.669
2014	12	391.254	116.568	84.032	45	10	11	8.695	11.657	7.639
2015	1	236.328	43.637	31.832	28	4	7	8.440	10.909	4.547
2015	2	296.261	57.677	68.496	38	5	11	7.796	11.535	6.227
2015	3	166.584	64.358	79.548	27	6	13	6.170	10.726	6.119