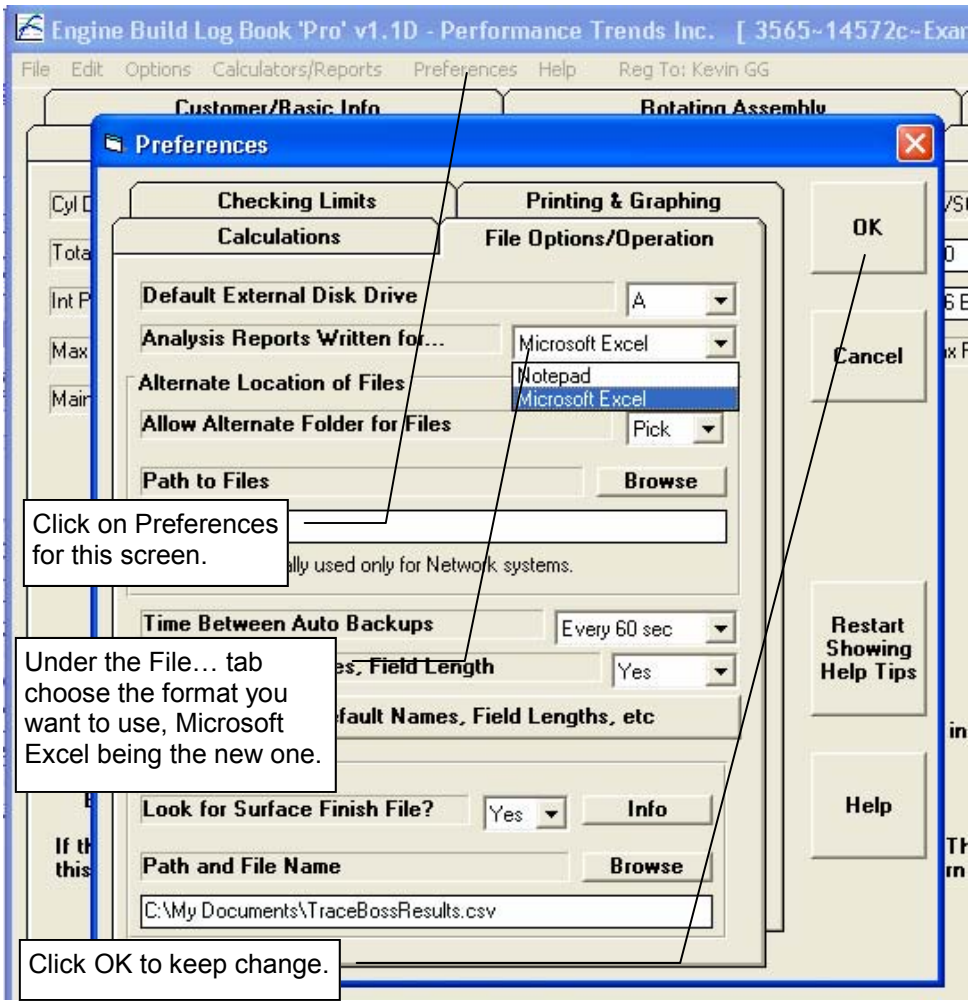
Engine Log Book Pro v1.1 D Updates

The version 1.1 D has added these new features:

- You can export reports in either a text file to Notepad (as done in v1.1C) or export them as a .csv file for Microsoft Excel.
- You can make printouts of the data as laid out on the computer screen (as done in v1.1C) or data in columns.
- Added ability to print Clearance Reports in MS Excel or Notepad as one of the menu choices.
- Added feature under Edit to let you restore Hidden input fields from up to 5 previous versions of Hidden Fields under menu option Modify Program Layout" then "Reset to a Previous Hidden Format".
- Now program will more reliably connect to the Compression Ratio Calculator several times. Prior to this it may have only connected 1 time each program session.
- Added many features to let the Log Book "talk" to other Performance Trends' programs like Port Flow Analyzer, Cam Analyzer, Valve Spring Tester, and Dyno DataMite.
- Program now puts a check mark by the current option of Using All inputs or Using Simple Inputs under the Edit menu.
- Program should now be better at preventing repetitive instructions when editing. It was meant to appear if you clicked on an input field, but it appeared too often when changing screens.
- Fixed bug where Inline engines were not laid out correctly for entering multiple data entries.
- Fixed bug where if a value was not entered for calculating a clearance, the clearance shown in the table was carried over from a previous valid clearance calculation. Now it is correctly shown as blank.
- You can now turn OFF the introductory "safety screen" when the program starts.
- Added many features for storing much more Piston Skirt data and making graphs of piston skirt data, and calculating clearances for piston skirt data.
- Now the program will display "na" for any field meant to display a calculated clearance if any of the required measurements have not been entered. Before this it displayed -1000 - 1000
- You now have an option to print only data fields where data has been entered. This should eliminate inputs you do not use or have not entered to eliminate clutter on printouts.
- New Help option on Main Screen to display a PDF of the v1.1 D features.



Export to Excel

You must select which format you want to use in Preferences as shown to the right. These reports are typically for Multiple Inputs, like Cylinder Bore Piston Skirt Dia readings shown on page 2 and page 10

Cylinder Bore data in Excel format..

DisplayDat1.csv - Microsoft Excel

	A	B	C	D	E	F	G	H	I	J
1	Bore Diameter Results (data in inches)									
2	Number of Cylinders: 8									
3	Number of Positions Around Bore: 2									
4	Number of Depths Down Bore: 3									
5	Comment: dia 1									
6	Comment: dia 2									
7	Comment: dia 3 comment									
8										
9		Cyl 1	Cyl 3	Cyl 5	Cyl 7	Cyl 2	Cyl 4	Cyl 6	Cyl 8	
10										
11	Top Depth									
12	Thrust	4	4.0006	4	4.0001	4.0006	4.0002	4.0003	4.001	
13	N Thrst	4.0003	4.0002	4.0003	4.0002	4.0008	4.0004	4.0004	4.0003	
14										
15	Middle Depth									
16	Thrust	4	4.0003	4.0005	4.0003	4.0003	4.0003	4.0004	4.0002	
17	N Thrst	4.0002	4.0006	4.0005	4.0005	4.0007	4.0005	4.0004	4.0003	
18										
19	Bottom Depth									
20	Thrust	3.9999	4.0009	4.0002	4.0002	4.0004	4.0005	4.0005	4.0012	
21	N Thrst	4.0002	4.0002	4.0006	4.0004	4.0005	4.0004	4.0006	4.0008	
22										
23										

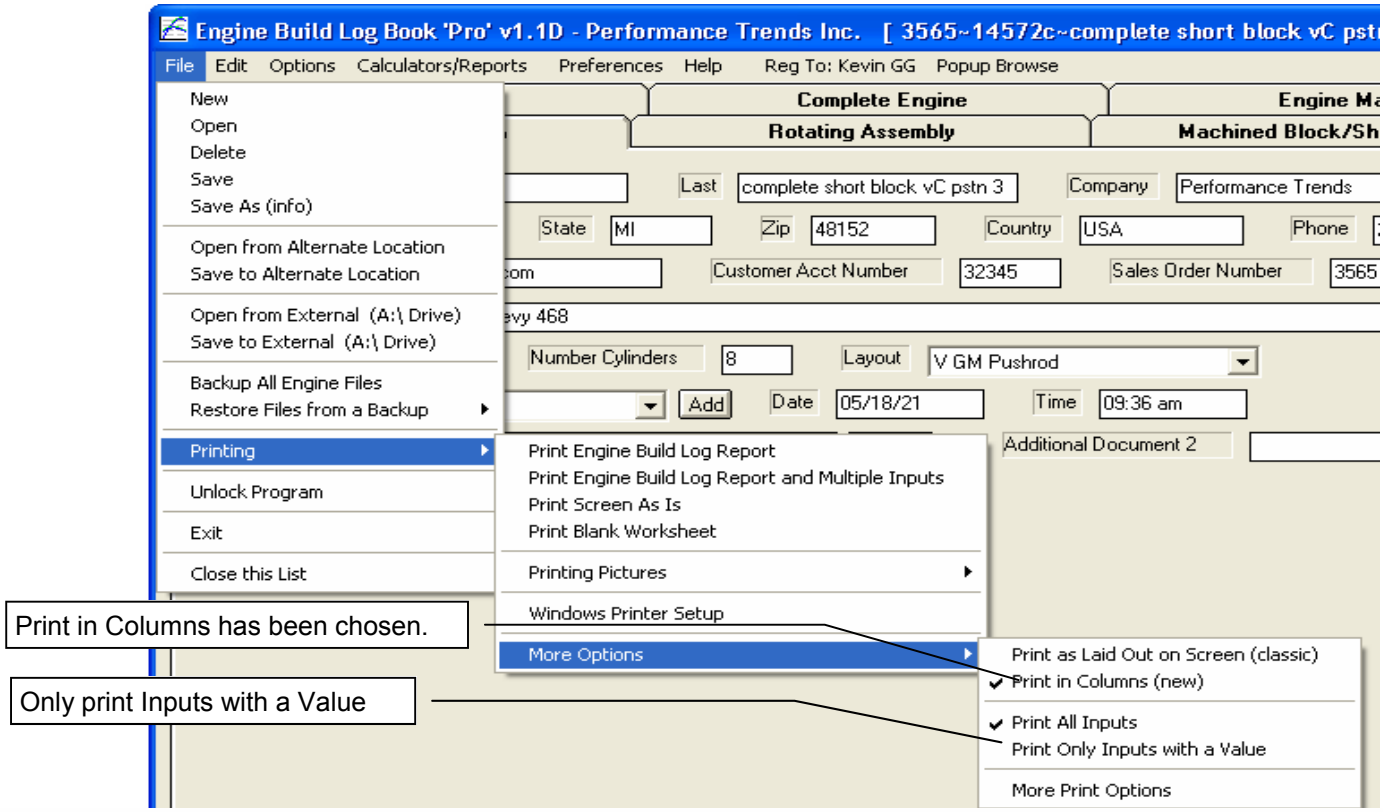
Cylinder Bore data in Notepad format..

DisplayDat1.TMP - Notepad

```
Bore Diameter Results (data in inches)
Number of Cylinders:  8
Number of Positions Around Bore:  2
Number of Depths Down Bore:  3
Comment: dia 1
Comment: dia 2
Comment: dia 3 comment

         Cyl 1    Cyl 3    Cyl 5    Cyl 7    Cyl 2    Cyl 4    Cyl 6    Cyl 8

Top Depth
Thrust   4.00000  4.00060  4.00000  4.00010  4.00060  4.00020  4.00030  4.00100
N Thrst  4.00030  4.00020  4.00030  4.00020  4.00080  4.00040  4.00040  4.00030

Middle Depth
Thrust   4.00000  4.00030  4.00050  4.00030  4.00030  4.00030  4.00040  4.00020
N Thrst  4.00020  4.00060  4.00050  4.00050  4.00070  4.00050  4.00040  4.00030

Bottom Depth
Thrust   3.99990  4.00090  4.00020  4.00020  4.00040  4.00050  4.00050  4.00120
N Thrst  4.00020  4.00020  4.00060  4.00040  4.00050  4.00040  4.00060  4.00080
```

Print in Columns (new)

Click on File, then Printing to select either Print as Laid Out on Screen (as done in v1.1C), or Print in Columns as possible in v1.1D.



Build by: Kevin GG
Customer: Kevin Example w Bore Thickness Performance Trends
Address: 20056 Shadyside
City/St/Zip/Country: Livonia MI 48152 USA
Phone/Email: 248-473-9230 kevin@performancetrends.com
Customer Account #/Sales Order #/Engine Serial #: 32345 3565 14572c

Engine Part Number EP 444
Number Cylinders 8
Dual OHC __
Date 05/18/21

Sales Comment Wheeler BB Chevy 468
Engine Size 468
Layout V GM OHC
Salesperson 0
Time 09:36 am

Comment: Completely Fictious Engine Specs Customer Comment 1 Customer Comment 2 Customer Comment 3

Rotating Assembly

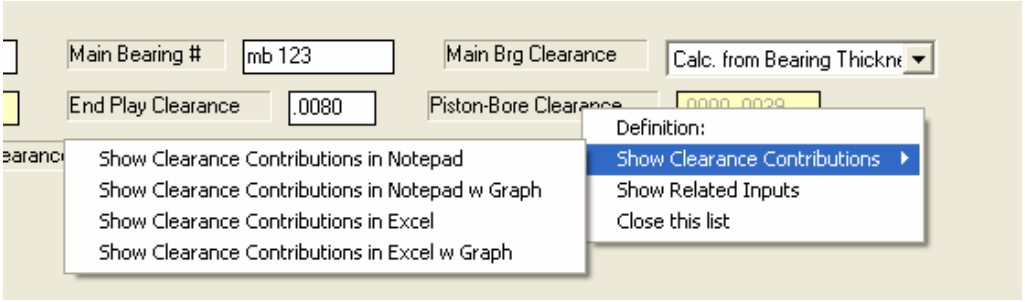
Crank # 9.353
Rod Journal Size 1.999-2.001
Rod # rod 123
Wt. Sm End, gms 200
Rod Length, in 6
Pin Wall Thickness .0920
Big End Bearing Combined Thickness -
Pin End Bore 1.001-1.0015
Pin Diameter .9999-1.0001
Piston # p 123
Piston Pin Boss Width __
Pin End Side Clearance .0000
Piston Wt, gms 450
Piston Comp Ht 1.36

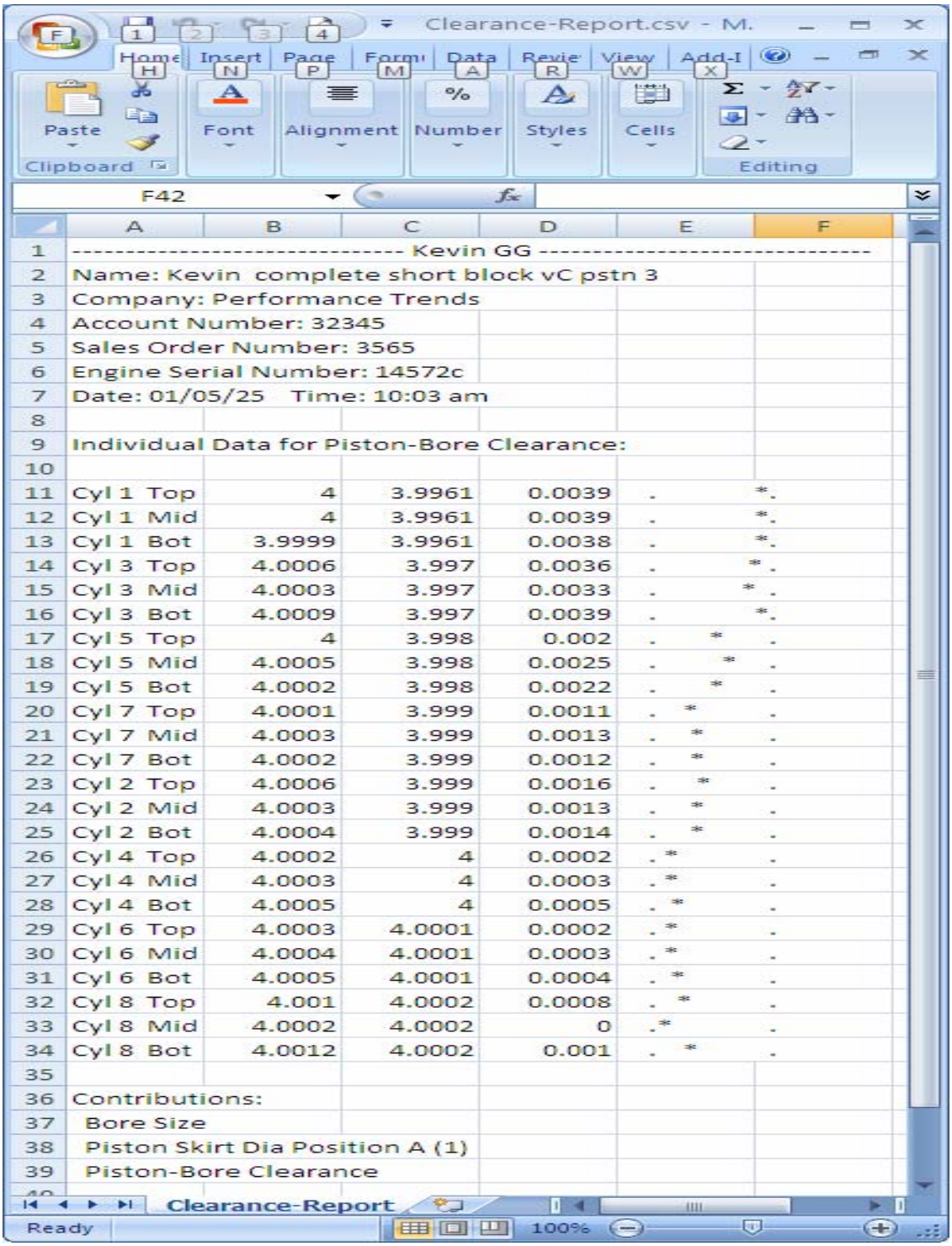
Stroke, in 3.75
Main Journal Size 2.249-2.251
Wt. Big End, gms 600
Total Wt, gms 800.
Pin Part # __
Big End Bore 2.1500-2.1510
Big End Bearing ID 2.0000-2.0005
Pin End Width __
Rod-Pin Clearance -
Piston Pin Bore 1.03
Piston-Pin Clearance .0299-.0301
Int Fly Cut .33 Exh .44
Pin Wt, gms 55
Piston Top Dome

The first page of a printout when "Print in Columns has been chosen. NOTE: If you select Landscape for the printer format, the program will print 3 columns.

Clearance Reports in MS Excel or Notepad

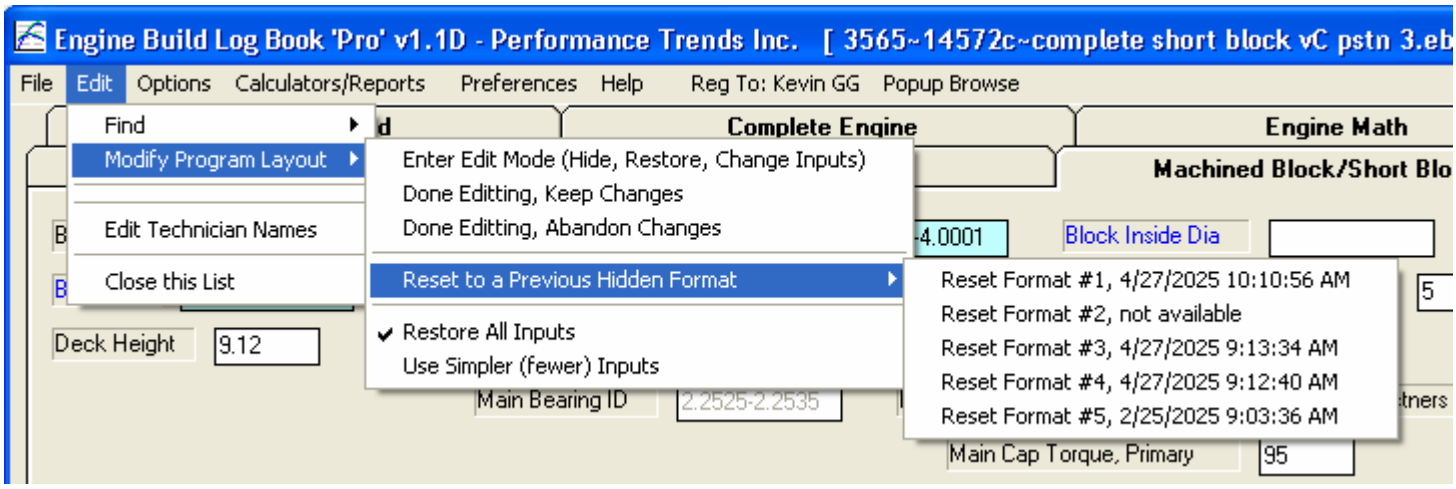
Now where you request a Clearance Report, you have options for creating the report for Notepad (a .txt file) or Microsoft Excel (a .csv file).





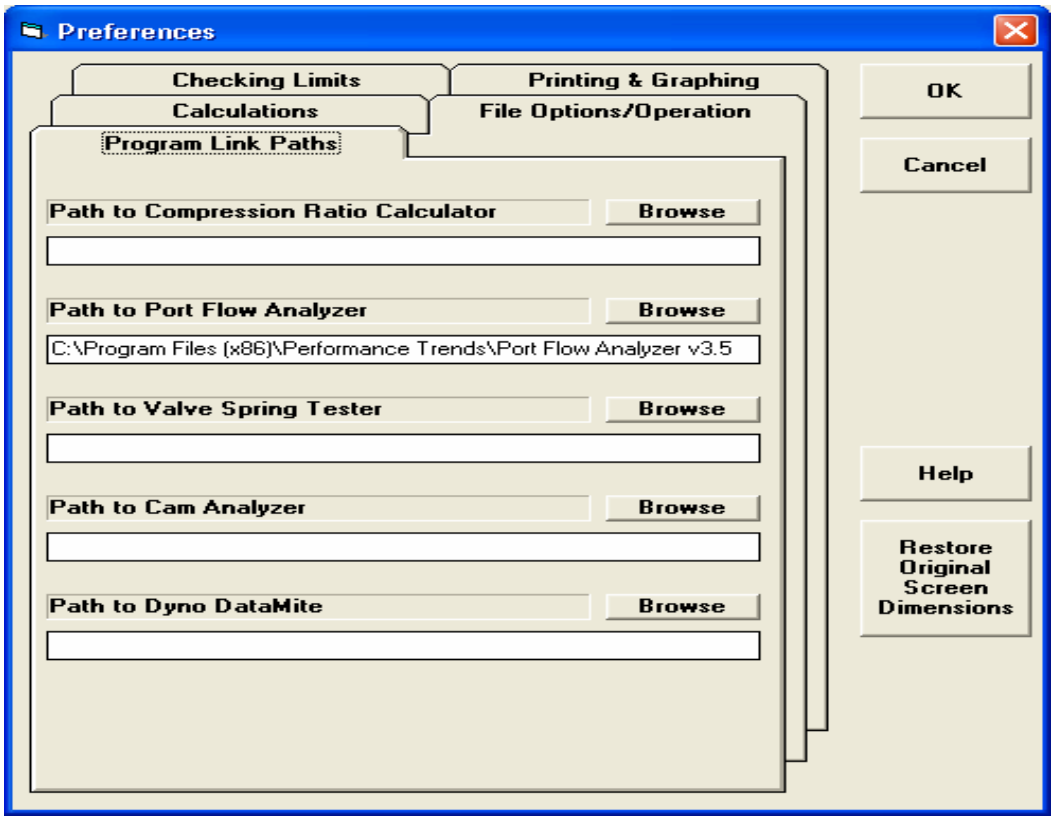
Edit option let's you restore previously saved Hidden Fields formats

The program now saves the last 5 combinations of hidden data fields you have created with the Edit feature. It does NOT save changes to the names or limits you have edited, just if fields are hidden.



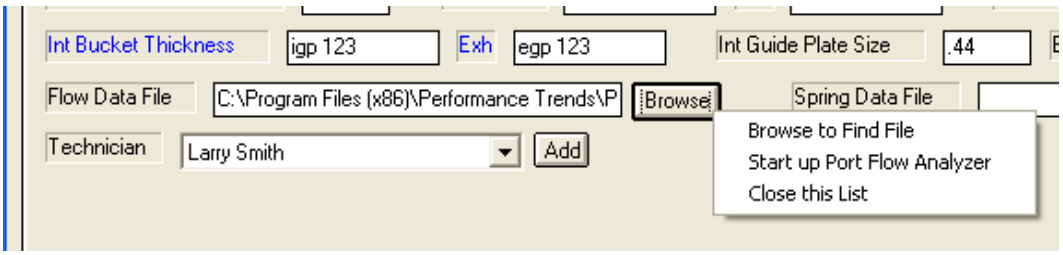
Log Book now "talks" to more Performance Trends' programs

There are new settings in Preferences where you can assign the path to the 5 programs the Log Book can now "talk" to. Prior to v1.1D it could only talk to the Compression Ratio Calculator that was installed in the default location. Now you can enter a path for that program , and 4 new programs, as shown in the figure to the right.

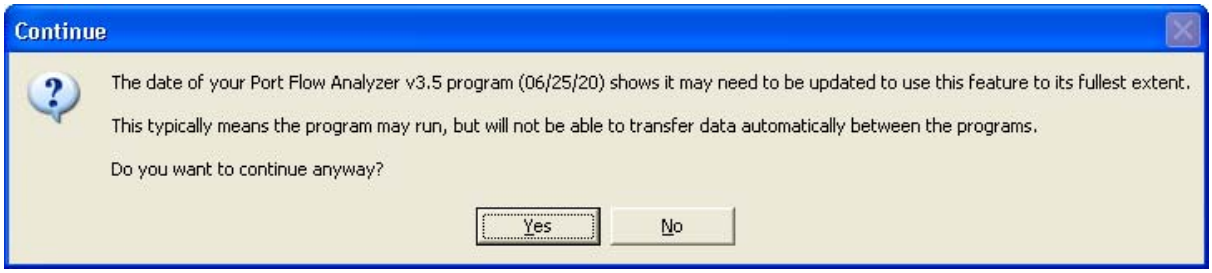


Click the Browse button for each program you want to link to the Log Book to enter the path to that program.

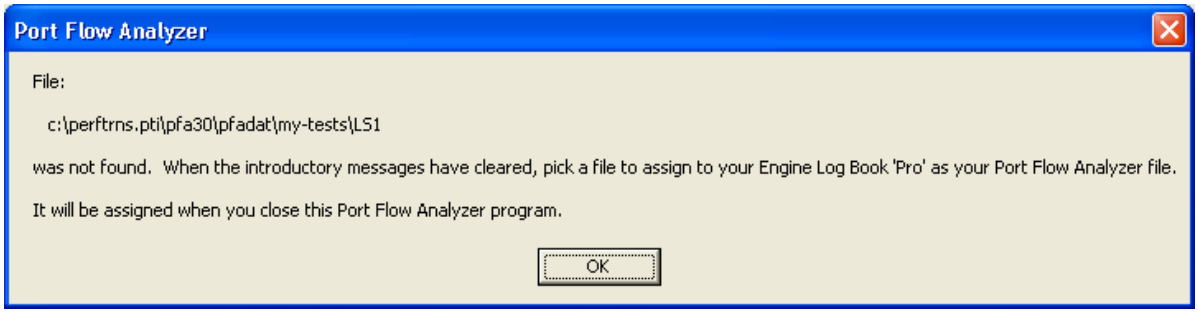
For the 4 new programs, when you click on the Browse button next to their "Data File" input field, you are presented with a new option to Start up that Performance Trends program which will produce that type of file. If you don't have that program, this feature will not work.

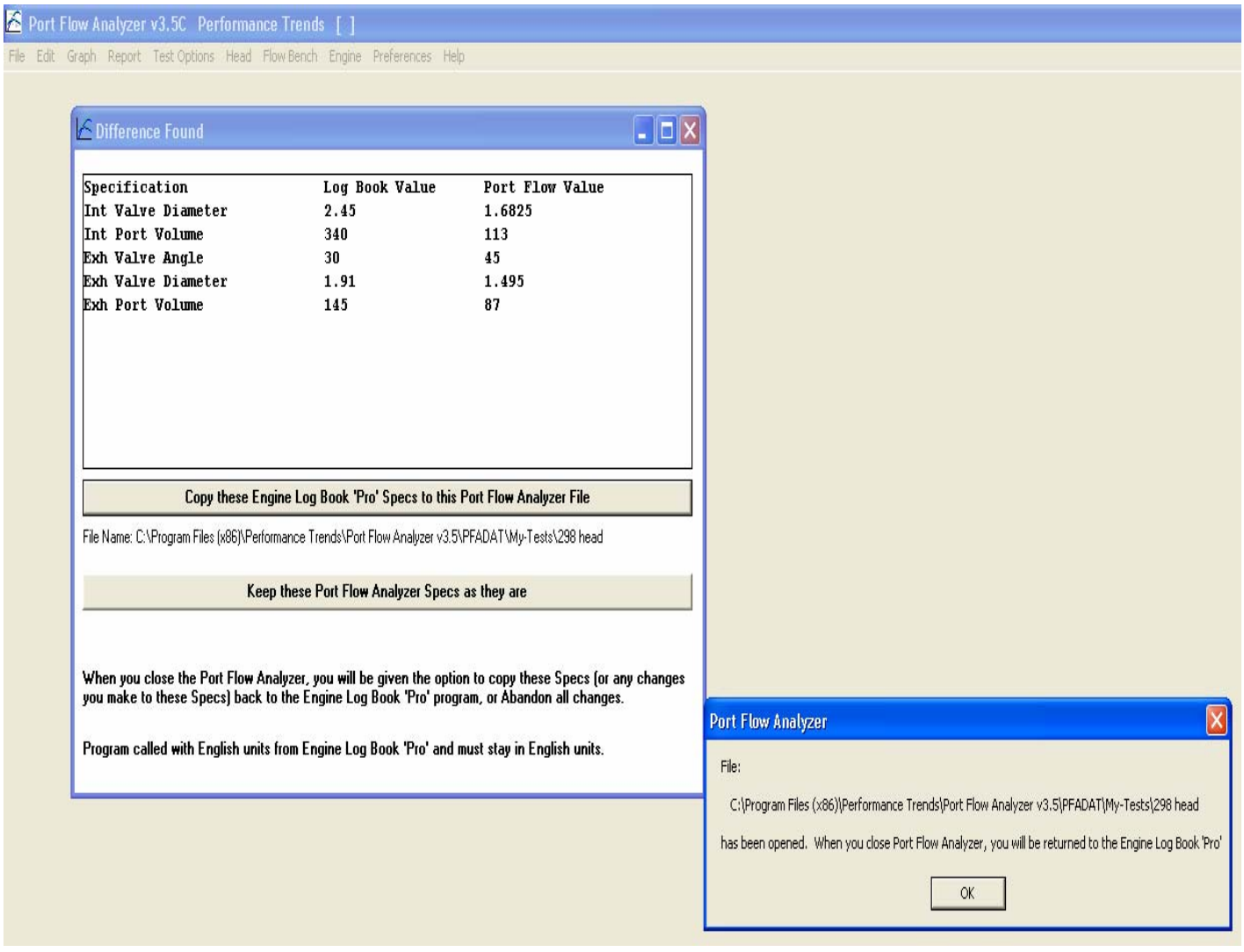


As of May 2025, only the Compression Ration Calculator and the latest Port Flow Analyzer will actually understand that it is being called from the Engine Build Log Book. For other programs, you will get the message as shown below., that your program is too old.

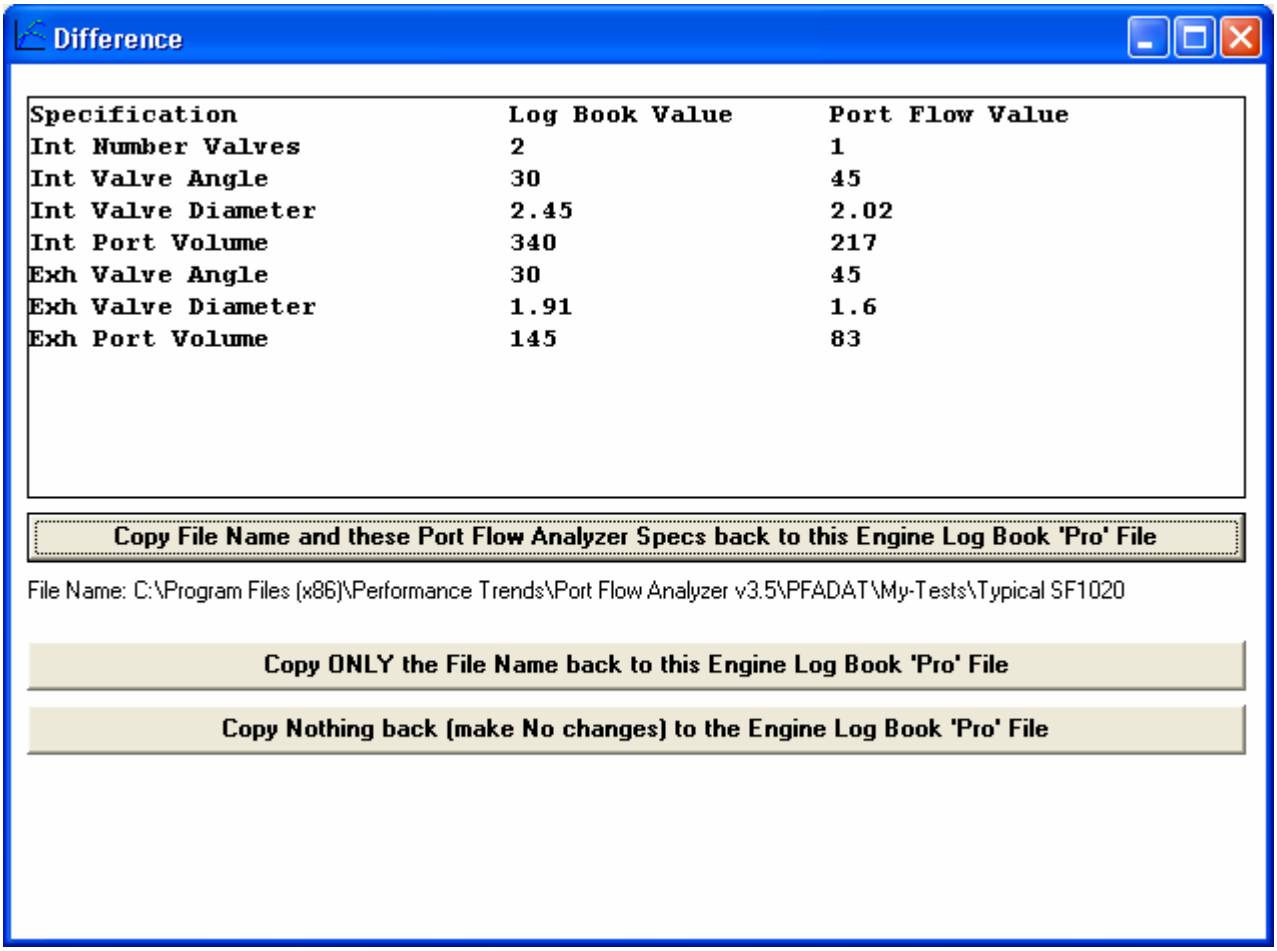


The next 2 screens show possible screens if you link to the latest Port Flow Analyzer, depending on if the “Flow Data File” in the Engine Build Log Book is found by the Port Flow Analyzer program.

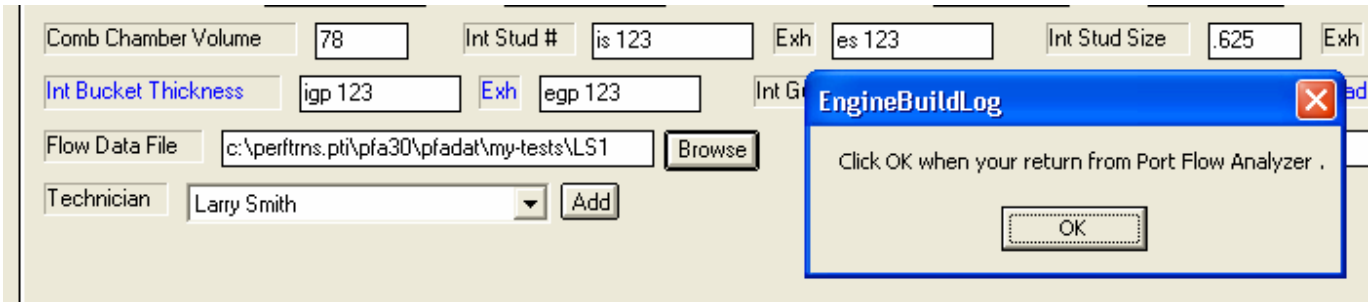




After you work with the file, or open a new file in Port Flow Analyzer, you can shut down the Port Flow Analyzer program. Then you are presented with the screen below, showing the values in the current Port Flow Analyzer file, and Engine Log Book values. This screen gives you the option to copy the Port Flow Analyzer values back to the Log Book, or just copy the file name back to the Log Book, or leave all the Log Book values unchanged.

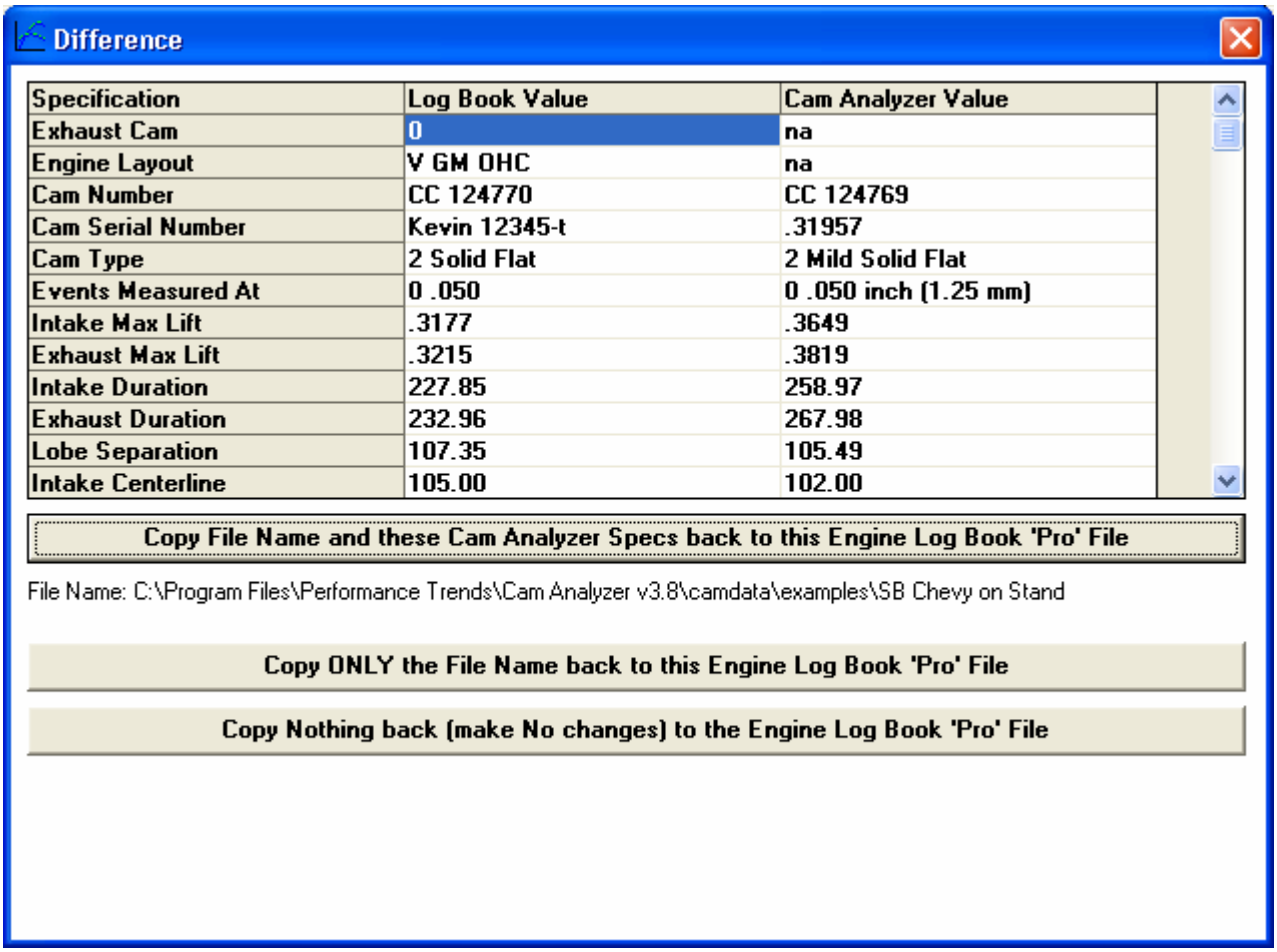


The back at the Log Book, you click OK to return working in the Log Book with any changes you have made to entered into the Log Book.



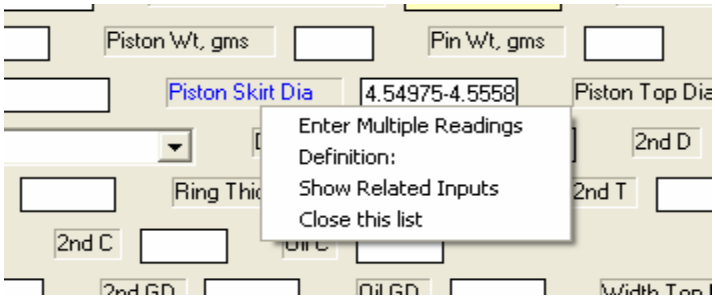
As we update Cam Analyzer, Spring Tester, Dyno DataMite (and possibly other Performance Trends programs), these features will be greatly enhances.

Here’s the comparison screen from our upcoming Cam Analyzer v4.3B.



Program now accepts much more Piston Skirt data

If you click on Piston Skirt Dia and choose Enter Multiple Readings you will be presented with the screen below.

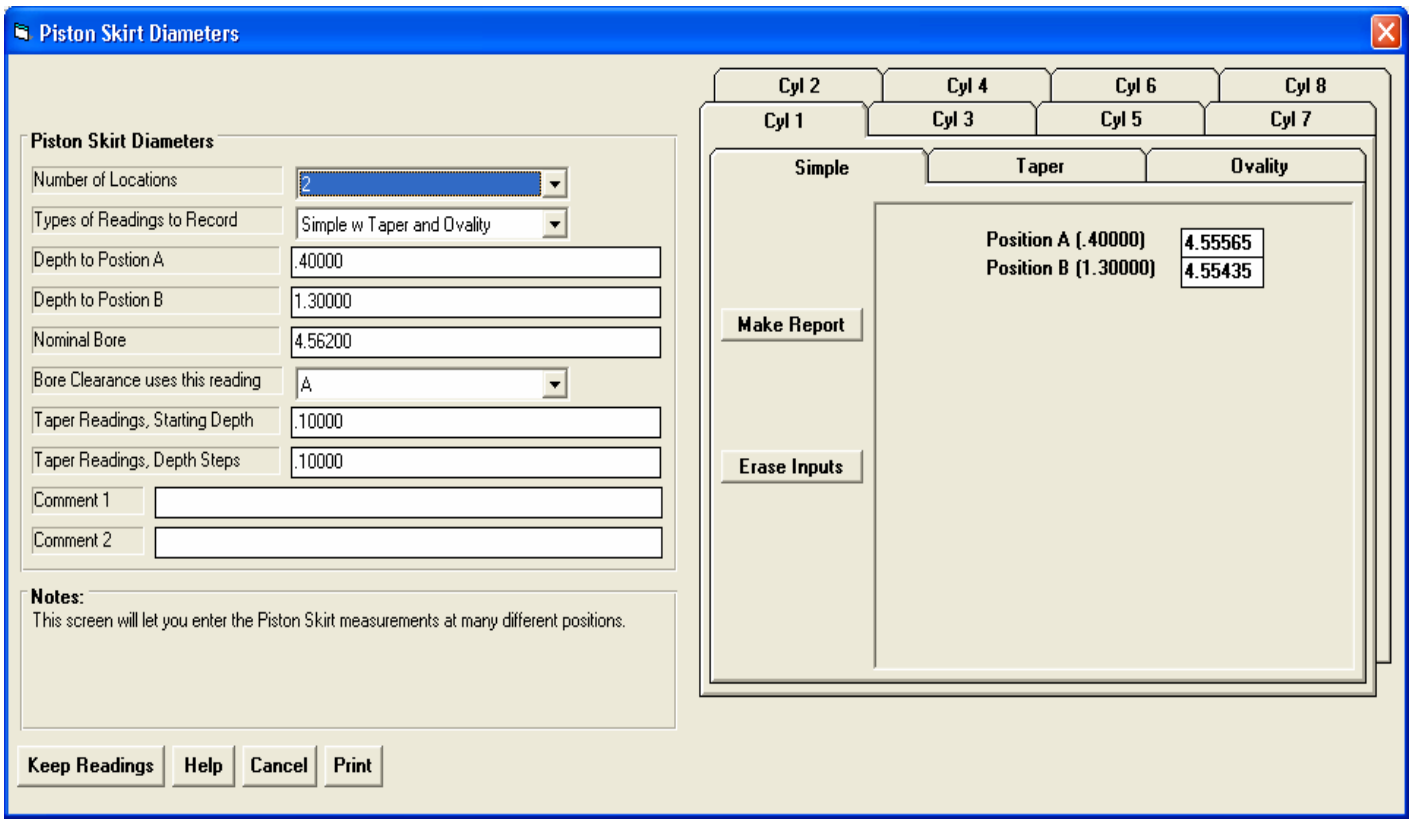


Number of Locations is for the 1 to 4 entries on the Simple tab. One of these readings will be use to calculate Piston-to-Bore clearance.

Types of Readings to Record will select how many tabs will appear for each cylinder.

Depth to Position A and B are to describe how far down the piston skirt the Simple measurements are made.

Nominal Bore is what the piston bore should be. When graphs are Taper and Ovality made, this dimension determines where the "Baseline" graph is drawn.

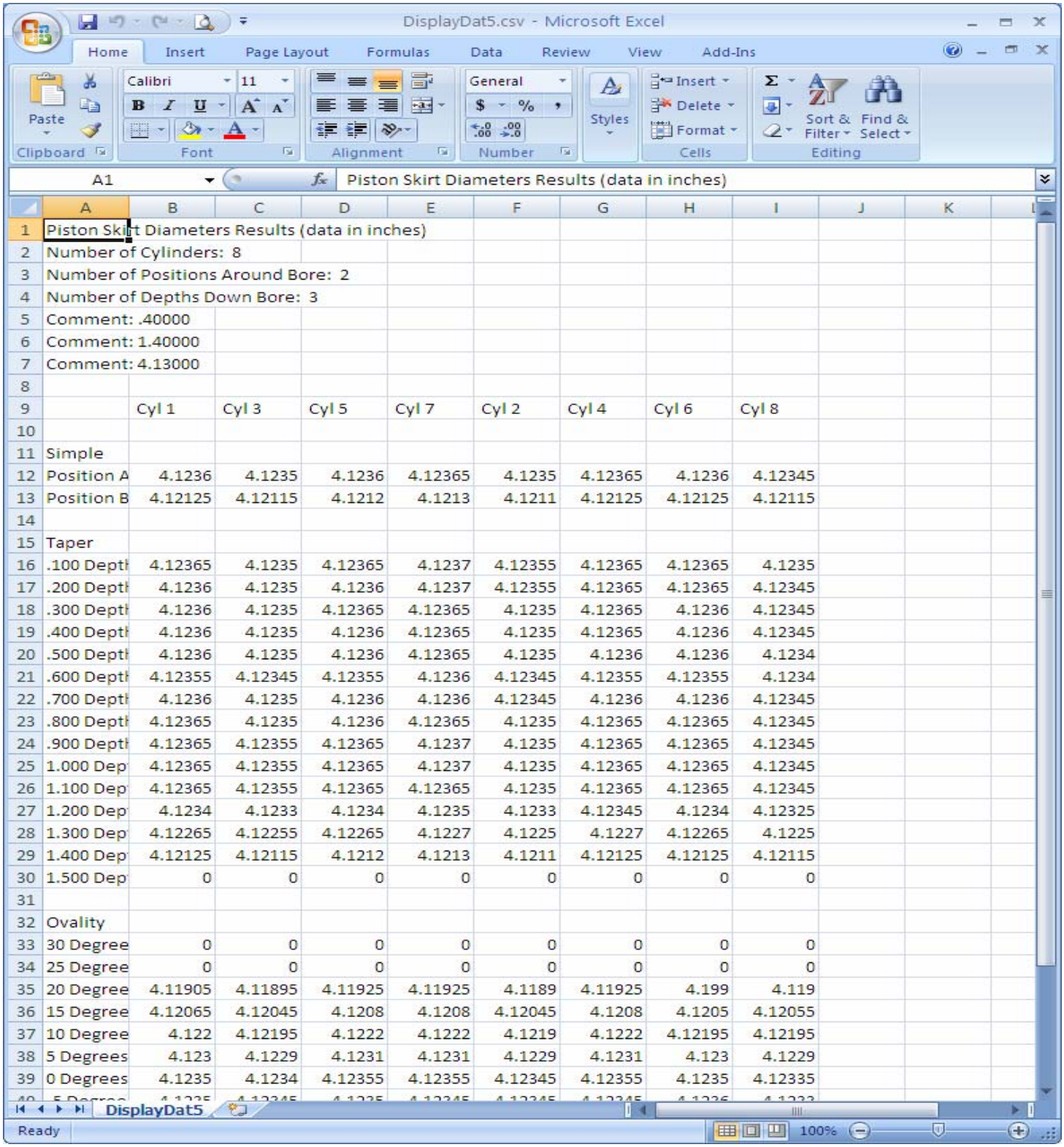


Bore Clearance uses this reading identifies which of the up to 4 Simple readings is used for calculating Piston-to-Bore clearance.

Taper Readings, Starting Depth and Taper Readings, Depth Steps identify how far down the piston Taper readings are taken. For example, .10000 for Starting Depth and .10000 for Depth Steps will produce steps as shown on the next page.

Comments 1 and 2 are for you to enter any comments about these measurements, pistons, etc. If there is not enough room here, you can enter more comments for the Rotating Assembly comments.

In any of the 3 tabs, you can click the “Make Report” button to produce a report as shown below. There is a Preference setting which lets this report be written and opened with Notepad (a .txt file) or Microsoft Excel (a .csv file).



DisplayDat5.csv - Microsoft Excel

Home | Insert | Page Layout | Formulas | Data | Review | View | Add-Ins

Calibri 11 | General | Insert | Delete | Format | Sort & Filter | Find & Select | Styles

Clipboard | Font | Alignment | Number | Cells | Editing

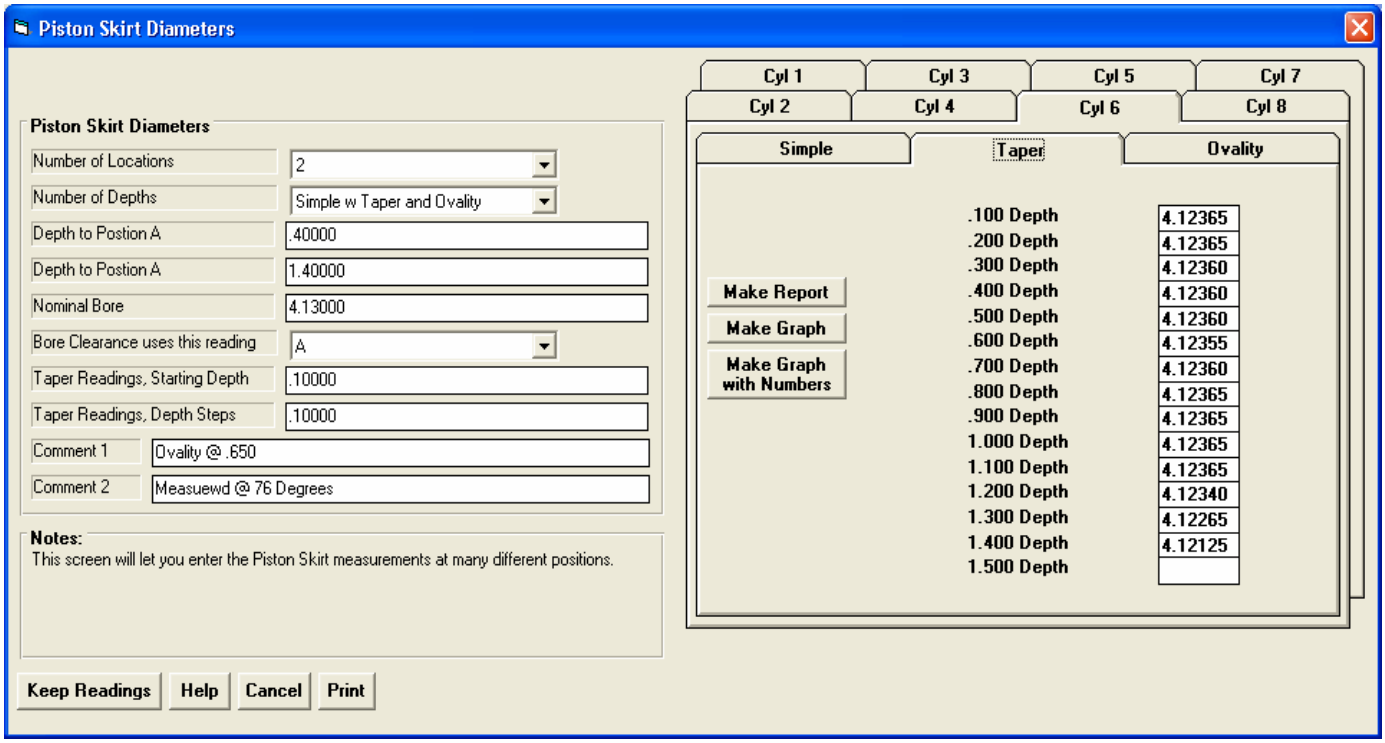
A1: Piston Skirt Diameters Results (data in inches)

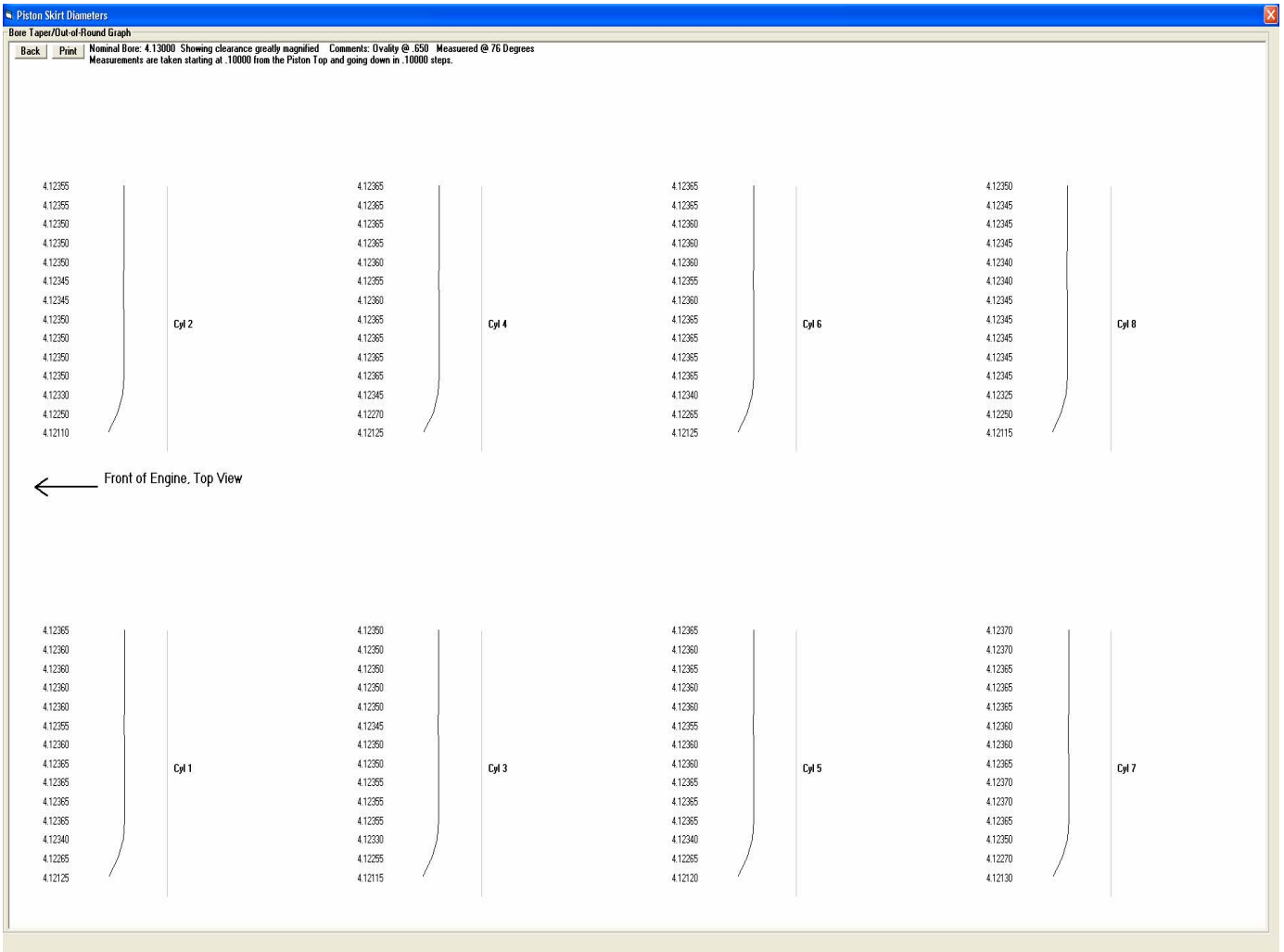
	A	B	C	D	E	F	G	H	I
1	Piston Skirt Diameters Results (data in inches)								
2	Number of Cylinders: 8								
3	Number of Positions Around Bore: 2								
4	Number of Depths Down Bore: 3								
5	Comment: .40000								
6	Comment: 1.40000								
7	Comment: 4.13000								
8									
9		Cyl 1	Cyl 3	Cyl 5	Cyl 7	Cyl 2	Cyl 4	Cyl 6	Cyl 8
10									
11	Simple								
12	Position A	4.1236	4.1235	4.1236	4.12365	4.1235	4.12365	4.1236	4.12345
13	Position B	4.12125	4.12115	4.1212	4.1213	4.1211	4.12125	4.12125	4.12115
14									
15	Taper								
16	.100 Depth	4.12365	4.1235	4.12365	4.1237	4.12355	4.12365	4.12365	4.1235
17	.200 Depth	4.1236	4.1235	4.1236	4.1237	4.12355	4.12365	4.12365	4.12345
18	.300 Depth	4.1236	4.1235	4.12365	4.12365	4.1235	4.12365	4.1236	4.12345
19	.400 Depth	4.1236	4.1235	4.1236	4.12365	4.1235	4.12365	4.1236	4.12345
20	.500 Depth	4.1236	4.1235	4.1236	4.12365	4.1235	4.1236	4.1236	4.1234
21	.600 Depth	4.12355	4.12345	4.12355	4.1236	4.12345	4.12355	4.12355	4.1234
22	.700 Depth	4.1236	4.1235	4.1236	4.1236	4.12345	4.1236	4.1236	4.12345
23	.800 Depth	4.12365	4.1235	4.1236	4.12365	4.1235	4.12365	4.12365	4.12345
24	.900 Depth	4.12365	4.12355	4.12365	4.1237	4.1235	4.12365	4.12365	4.12345
25	1.000 Dep	4.12365	4.12355	4.12365	4.1237	4.1235	4.12365	4.12365	4.12345
26	1.100 Dep	4.12365	4.12355	4.12365	4.12365	4.1235	4.12365	4.12365	4.12345
27	1.200 Dep	4.1234	4.1233	4.1234	4.1235	4.1233	4.12345	4.1234	4.12325
28	1.300 Dep	4.12265	4.12255	4.12265	4.1227	4.1225	4.1227	4.12265	4.1225
29	1.400 Dep	4.12125	4.12115	4.1212	4.1213	4.1211	4.12125	4.12125	4.12115
30	1.500 Dep	0	0	0	0	0	0	0	0
31									
32	Ovality								
33	30 Degree	0	0	0	0	0	0	0	0
34	25 Degree	0	0	0	0	0	0	0	0
35	20 Degree	4.11905	4.11895	4.11925	4.11925	4.1189	4.11925	4.199	4.119
36	15 Degree	4.12065	4.12045	4.1208	4.1208	4.12045	4.1208	4.1205	4.12055
37	10 Degree	4.122	4.12195	4.1222	4.1222	4.1219	4.1222	4.12195	4.12195
38	5 Degrees	4.123	4.1229	4.1231	4.1231	4.1229	4.1231	4.123	4.1229
39	0 Degrees	4.1235	4.1234	4.12355	4.12355	4.12345	4.12355	4.1235	4.12335

DisplayDat5

Ready 100%

If you request Taper readings, the 2nd tab will be for these readings taken as you go down the piston. If you are in the Taper tab you can request a Graph or Graph with Numbers., as shown below





If you request Ovality (or out-of-round) readings, the 3rd tab will be for these readings taken as you go around the piston skirt in 5 degree increments. If you are in the Ovality tab you can request a Graph or Graph with Numbers., as shown below