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

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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.

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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).

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15	Cyl 3 M	1id 4.0003	3.991	0.0033		* .		
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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.

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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 you click on th next to their "D field, you are p new option to Performance⁻ which will prod file. If you dor program, this t work.

programs, when e Browse button	
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Preferences	
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Path to Compression Ratio Calculator Browse	
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Path to Valve Spring Tester Browse	Help
Path to Cam Analyzer Browse	Restore Original Screen Dimensions
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Int Bucket Thickness igp 123 Exh egp 123 Int Guide F Flow Data File C:\Program Files (x86)\Performance Trends\P Browseil Si	Plate Size .44
Technician Larry Smith Add Browse	e to Find File p Port Flow Analyzer
Close t	his List

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.



depending on if the "Flow Data File" in the Engine Build Log Book is found by the Port Flow Analyzer program.



will be returned to the Engine Log Book 'Pro'

🙆 Port Flow Analyzer v3.5C 🛛 Performance Trends 👔

File Edit Graph Report Test Options Head Flow Bench Engine Preferences Help

C Difference Found			X	
Specification Int Valve Diameter Int Port Volume Exh Valve Angle Exh Valve Diameter Exh Port Volume	Log Book Value 2.45 340 30 1.91 145	Port Flow Value 1.6825 113 45 1.495 87		
Copy these Eng File Name: C:\Program Files (x86)\Perfor Keep	ine Log Book 'Pro' Specs to this nance Trends\Port Flow Analyzer v3.5 these Port Flow Analyzer Specs	Port Flow Analyzer File VPFADAT\My-Tests\298 head as as they are		
When you close the Port Flow An you make to these Specs) back to Program called with English units	alyzer, you will be given the opti the Engine Log Book 'Pro' prog from Engine Log Book 'Pro' and	on to copy these Specs (or ram, or Abandon all change must stay in English units.	any changes s.	Port Flow Analyzer File:
				C:\Program Files (x86)\Performance Trends\Port Flow Analyzer v3.5\PFADAT\My-Tests\298 hear has been opened. When you close Port Flow Analyzer, you will be returned to the Engine Log Boo OK

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.

🗠 Difference					
Specification	Log Book Value	Port Flow Value			
Int Number Valves	2	1			
Int Valve Angle	30	45			
Int Valve Diameter	2.45	2.02			
Int Port Volume	340	217			
Exh Valve Angle	30	45			
Exh Valve Diameter	1.91	1.6			
Exh Port Volume	145	83			
Copy File Name and these Port Flow Analyzer Specs back to this Engine Log Book 'Pro' File File Name: C:\Program Files (x86)\Performance Trends\Port Flow Analyzer v3.5\PFADAT\My-Tests\Typical SF1020					
Copy ONLY the File	Name back to this Engine L	og Book 'Pro' File			
Copy Nothing back (mal	ke No changes) to the Engin	e Log Book 'Pro' File			

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.

Comb Chamber Volume 78 Int Stud # is 123 Exh	es 123 Int Stud Size .625 Exh
Int Bucket Thickness igp 123 Exh egp 123 Int G	EngineBuildLog
Flow Data File c:\perftrns.pti\pfa30\pfadat\my-tests\LS1 Browse	Click OK when your return from Port Flow Analyzer .
Technician Larry Smith 💌 Add	OK

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.

Specification	Log Book Value	Cam Analyzer Value	
Exhaust Cam	0	na	
Engine Layout	V GM OHC	na	
Cam Number	CC 124770	CC 124769	
Cam Serial Number	Kevin 12345-t	.31957	
Cam Type	2 Solid Flat	2 Mild Solid Flat	
Events Measured At	0.050	0 .050 inch (1.25 mm)	
Intake Max Lift	.3177	.3649	
Exhaust Max Lift	.3215	.3819	
Intake Duration	227.85	258.97	
Exhaust Duration	232.96	267.98	
Lobe Separation	107.35	105.49	
Intake Centerline	105.00	102.00	×

Copy File Name and these Cam Analyzer Specs back to this Engine Log Book 'Pro' File

File Name: C:\Program Files\Performance Trends\Cam Analyzer v3.8\camdata\examples\SB Chevy on Stand

Copy ONLY the File Name back to this Engine Log Book 'Pro' File

Copy Nothing back (make No changes) to the Engine Log Book 'Pro' File

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.

	Piston Wt, gms Pin Wt, gms	
	Piston Skirt Dia 4.54975-4.5558	Piston Top Dia
;	Enter Multiple Readings Definition:	2nd D
	Ring Thic Show Related Inputs	2nd T
	2nd C Close this list	
		Width Top I

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.

🖻 Piston Skirt Diameters 📃 📃 🔀								
Piston Skirt Diameters Number of Locations	Cyl 2 Cyl 1 Simple	Cyl 4 Cyl 3 Ta	Cyl 6 Cyl 5 Iper	Cyl 8 Cyl 7 Ovality				
Types of Readings to Record Simple w Taper and Ovality Depth to Postion A .40000 Depth to Postion B 1.30000 Nominal Bore 4.56200 Bore Clearance uses this reading A Taper Readings, Starting Depth .10000 Taper Readings, Depth Steps .10000 Comment 1	Position A (.40000) 4.55565 Position B (1.30000) 4.55435 Make Report Erase Inputs			<u>4.55565</u> <u>4.55435</u>				
Comment 2 Notes: This screen will let you enter the Piston Skirt measurements at many different positions. Keep Readings Help Cancel Print								

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).

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1	Piston Ski	t Diamete	rs Results	(data in ind	hes)							
2	Number o	f Cylinders	5: 8									
3	Number o	f Positions	Around Be	ore: 2								
4	Number o	f Depths D	own Bore:	3								
5	Comment	: .40000										
6	Comment	: 1.40000										
7	Comment	: 4.13000										
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9		Cyl 1	Cyl 3	Cyl 5	Cyl 7	Cyl 2	Cyl 4	Cyl 6	Cyl 8			
10	Circuit.											
11	Simple Desition A	4 1006	4 1005	4 1006	4 10065	4 1005	4 10065	4 1006	4 10045			
12	Position A	4.1230	4.1235	4.1230	4.12305	4.1235	4.12305	4.1230	4.12345			
13	Position B	4.12125	4.12115	4.1212	4.1215	4.1211	4.12125	4.12125	4.12115			
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18	.300 Dept	4.1236	4,1235	4.12365	4.12365	4.1235	4.12365	4.1236	4,12345			=
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20	.500 Depth	4.1236	4.1235	4.1236	4.12365	4.1235	4.1236	4.1236	4.1234			
21	.600 Depti	4.12355	4.12345	4.12355	4.1236	4.12345	4.12355	4.12355	4.1234			
22	.700 Depti	4.1236	4.1235	4.1236	4.1236	4.12345	4.1236	4.1236	4.12345			
23	.800 Dept	4.12365	4.1235	4.1236	4.12365	4.1235	4.12365	4.12365	4.12345			
24	.900 Dept	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	Out											
32	Ovality											
33	30 Degree	0	0	0	0	0	0	0	0			
25	20 Degree	4 11005	1 11005	4 11025	4 11025	U 1 1100	4 11025	4 100	/ 110			
26	15 Degree	4.11905	4.11055	4.11925	4.11925	4.1169	4.11925	4.199	4.119			
30	10 Degree	4.12005	4.12045	4.1200	4.1200	4.12040	4.1200	4.1205	4.12035			
38	5 Degrees	4.122	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	C		
-10	E Dograa	4 1005	4.10245	4 1005	4 10045	4 10045	4 1 2245	4 1006	4 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		_	*
Per	Dis	playDat5	Col /							n% 🕞		
Ned	i ag							111			V	

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

Piston Skirt Diameters				X
		Cul 1	Cul 2 Cul 5	
			ີ ເຫລີ ເຫລີ ໂຟ4 ໂຟຣ	
Piston Skirt Diameters				
Number of Locations	2	Simple	Taper	Uvality
Number of Depths	Simple w Taper and Ovality		100 D	
Depth to Postion A	.40000		.200 Depth	4.12365
Depth to Postion A	1.40000		.300 Depth	4.12360
Nominal Bore	4.13000	Make Report	.400 Depth 500 Depth	4.12360
Bore Clearance uses this reading		Make Graph	.600 Depth	4.12355
Taper Readings, Starting Depth	.10000	Make Graph	.700 Depth	4.12360
Taper Readings, Depth Steps	10000	With Humbers	.800 Depth 900 Depth	4.12365
Comment 1 Dyality @ 650			1.000 Depth	4.12365
Comment 2 Massuraud @ 761	Degrees		1.100 Depth	4.12365
Comment 2 Measuewd @ 761	Deglees		1.200 Depth 1.300 Depth	4.12340
Notes:			1.400 Depth	4.12125
I his screen will let you enter the Pisto	on Skirt measurements at many different positions.		1.500 Depth	
				I ^L
Kana Baadiaas Hala Caa	and Diak			
B Dieton Skirt Diamotore				
Bore Taper/Out-of-Round Graph	zastle essential Comparts Dustin & 550 Nassurad & 75 Dagaaa			
Back Print Nomina Bore. 4.13000 Showing clearance g Measurements are taken starting at .10000 fr	areau magiment Comments, Gyang e. 550 weasured e 76 begrees from the Piston Top and going down in .10000 steps.			
4.12355	4.12365	4.12365	4.12350	
4.12350	4,12365	4.12360	4.12345	
4.12350 4.12350	4.12365 4.12360	4.12360 4.12360	4.12345 4.12340	
4.12345	4.12365	4.12355	4.12340	
4.12345 4.12350 Cul 2	4.12360 4.12365 Cut 4	4.12360 4.12365 Col 6	4.12345 4.12345	Cul 8
412350	4.12395	4.12365	4.12345	Cy I V
4.12350	4.12365	4.12365	4.12345	
4.12330	4.12345	4.12340	4.12325 4.12250	/
4.12110	4.12125	4.12125	4.12115 /	
Front of Engine Ton View				
4.12365	4.12350	4.12365	4.12370	1 (
4.12360	4.12350	4.12360	4.12370	
4.12360	4,12360 4,12360	4.12365 4.12360	4.12365 4.12365	
4.12360	4,12350	4.12360	4.12365	
4.12360	4.12350	4.12360	4.12360	
4.12365 Cyl 1 4.12365	4.12350 Cyl 3 4.12355	4.12360 Cyl 5 4.12365	4.12365 4.12370	Cyl 7
4.12365	4.12365	4.12365	4.12370	
4.12365	4.12355	4.12365	4.12365	1
4.12340	4.12330	4.12340	4.12350	/
4,12340 4,12265 4,12125	4.122390 4.12255 4.12315	4 12340 4 12265 4 12270	4.12350 4.12270 4.12120	/

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

Piston Skirt Diameters									
		Cyl 2 Cy	14 Cyl 6	Cyl 8					
□ Pieton Skirt Diameters		Cyl 1 Cyl 1	3 Cyl 5	Cyl 7					
Number of Locations		Simple	Taper	Ovality					
Turnes of Beadings to Becord	Circle or Target and Outfloo								
Depth to Postion A	Simple w Laper and Ovality		30 Degrees						
Depth to Position A	1 40000		25 Degrees 20 Degrees	A 11905					
Nerviced Dece	1.40000	Make Report	15 Degrees	4.12065					
Rominal Bore	4.13000	Make Graph	10 Degrees	4.12200					
Bore Clearance uses this reading		Make Graph	o Degrees O Degrees	4.12300					
Taper Readings, Starting Depth		with Numbers	-5 Degrees	4.12350					
Taper Readings, Depth Steps	.10000		-10 Degrees -15 Degrees	4.12290					
Comment 1 Ovality @ .650			-20 Degrees	4.12045					
Comment 2 Measuewd @ 76	Degrees		-25 Degrees						
This screen will let you enter the Piston Skirt measurements at many different positions. Keep Readings Help Cancel Print									
Petion Skirt Diameters Bore Tape//Dut-of-Round Ergah Back Print Nomina Bice: 4 (1300) Showing clearance Measurements taken in 5 degree steps who 4 11880 4 11880	s greatly magnified Comments: Ovality @. 650 Measuewd @ 76 Degrees in viewed from the Piston Top.	411300	4.11300						
4.1210 4.1220 4.12345 4.12345 4.12345 4.1220 4.12150 4.12150	• 1.220 • 1.220 • 1.2365 • 1.245 • 1.245 • 1.245 • 1.247 • 1.200 • 1.200 • 1.200	4 1205 4 1285 4 1280 4 1280 4 1280 Cyl 6 4 1280 4 12210 4 12210	4.1236 4.1236 4.1235 4.1235 4.1235 4.1237 4.1288 4.1200	Cyl 8					
Front of Engine, Top View									
4.11995 4.1285 4.1200 4.12300 4.12380 4.12580 4.12280 4.12295 4.1205 4.12045	4 11885 4 12045 4 12385 4 12280 4 12346 4 12285 4 12285 4 12285 4 12045	4 11325 4 1280 4 1220 4 1230 4 1235 4 1255 4 1255 4 1285 6 1280 4 1283	4 11925 4 1200 4 1220 4 1230 4 1235 4 1235 4 1235 4 1235 4 1205	Cyl 7					