



ASTON ENGINEERING LTD

Lonsdale Place, Derby, DE22 3LP

Tel: 01332-371566 Fax: 01332-384600

VAT Registration number: GB395 5147 22

Notes ref:

DB4, visited 16th/17th June 06

ENGINE **DONE**

Big valve Special Series head OR Race valves and shims (for easier later adjustment).
10.0:1 Compression ratio
Crack test and shot-peen connecting rods.
Crack test the crankshaft.
Machine block as required and stamp with correct number.
Shallow sump required with full flow oil cooling.
Optimise twin carburettor set-up for torque (Supply Camilo with different Dyno sheets to help make decision).

OIL COOLING

Engine block adaptor (take-off)

- + Oil stat
- + Remote oil filter
- + Pictures how to do
- + Shallow sump

TRANSMISSION

OVERDRIVE GEARBOX: **DONE**

Send to UK for overhaul including overdrive, where we can test on a rig.
By sending the gearbox to the UK with the engine it allows us to carry out 'dummy assembly' and get correct clutch clearance.
The gearbox casings also would be vapour blasted and look like new.

Supply new B & B 9.5" balanced assembly (Flywheel, starter ring, cover and friction plate etc)

Release bearing

Spacer for tower

NOT DONE

£926.00

£59.00

£60.00

REAR AXLE **DONE**

Send to UK for overhaul and conversion to 3.77:1 differential ratio?
This would be best all round combination for acceleration and ability to cruise, bearing in mind the overdrive gearbox.
Most of transmission is high parts cost and lower labour content.
We would also strengthen damper pickups and spring mounts and powder coat the axle.

EXHAUST

Manifolds OK

Supply stainless steel exhaust system with manifold heat shield?

BRAKES (Camilo does not want a servo but wants balance adjustment)

- A. E. balance bar set-up + modified pedal mounting outrigger?
- + GT front discs
- + CR callipers (or Girling 4 pot?)
- + DB5 rear brake set-up (discs, callipers, handbrake claws etc) **DONE**
- + Discuss h/brake cables.
- + Discuss AP master cylinders
- + Discuss brake piping and master cylinders position.
- + Send pedals and arms to UK **HERE**
- + Brake pad material.

FRONT SUSPENSION & STEERING

- Rack and column to be overhauled in Bogota.
 - + Supply AE solid rack mountings
 - + Discuss bump steer
 - + Kingpins to be sent to UK for modifying.
 - + Allows us to build up brake corners to suit car and wheels (Dummy build in UK)
 - + New front hubs and bearings
 - + Our special adjustable upper wishbones
 - + Suitable front springs
 - + Discuss ride height (Dropped spring platforms etc)
 - + Front suspension Ball joints kit
 - + Front suspension rubber bushes and gaiters kit
- UNDERWAY**
k/p extensions £90 each
£266 each complete
£160 each x 4
£407 per car set
approx £380 per car set

REAR SUSPENSION

- Discuss radius arms?
- + Our latest lever-arm dampers
- + New 'Metacone' insulators and spacers (discuss ride height)

ELECTRICAL

- Supply wiring loom, modified for alternator?
- + Gear Drive starter motor
- + Correct headlamp assemblies (chrome surrounds etc)
- + Front lights
- + Handbrake warning switch?
- + Mechanical Tachometer and drive gearbox (Have we got a mechanical tacho in stock?)

TRIM

- Send headlining samples to Camilo
- + Dash leather cloth
- + Under-tray material
- + Photos of rear shelf
- + Door panels etc.



Richard Stewart Williams Limited

Protech House

Copse Road, Cobham, Surrey, KT11 2TW Telephone: 01932 868377 Fax: 01932 865515

Parts Department Fax Number: 01932 866513

e.mail: astons@rswilliams.co.uk http://www.rswilliams.co.uk

CASH SALE

****INVOICE****

SOLD TO:

DATE: 24/04/02 11.21.18

DOCUMENT NO: 2404A005

PAGE: 1

VDU: 00

ORDER NO: EXPORT

QTY	PART NUMBER	DESCRIPTION	RETAIL	NETT	TOTAL	VATX	LOCN
1	20.43.105	DB4/DB4GT PARTS BOOK	66.38	66.38	66.38	.00	TOPI .
1	20.43.130	WORKSHOP MANUAL DB4 & GT	71.80	71.80	71.80	.00	S/ORD .
2	30.05.044	INTERIOR DOOR HANDLE	22.93	22.93	45.86	.00	N1 .
					184.04		
VAT ON 184.04 @ .00%				.00			
					VAT TOTAL	.00	
					184.04		

TRADE OR RETAIL - ALL RETURNED PARTS SUPPLIED CORRECTLY WILL BE SUBJECT TO A 20% HANDLING CHARGE.
THIS IS IN LINE WITH A.M.L POLICY



Richard Stewart Williams Limited

Protech House

Copse Road, Cobham, Surrey, KT11 2TW Telephone: 01932 868377 Fax: 01932 865515
Parts Department Fax Number: 01932 866513
e.mail: astons@rswilliams.co.uk http://www.rswilliams.co.uk

CASH SALE

****INVOICE****

SOLD TO:

DATE: 24/04/02 11.16.17

DOCUMENT NO: 2404A004

PAGE: 1

VDU: 00

ORDER NO: EXPORT

QTY	PART NUMBER	DESCRIPTION	RETAIL	NETT	TOTAL	VAT%	LOCN
1		S/HAND RADIATOR GRILLE	200.00	200.00	200.00	.00	
1	CLO08	CITY LINK 3-8KG	9.00	9.00	9.00	.00	S/ORD
					209.00		
VAT ON 209.00 @ .00%				.00			
					VAT TOTAL	.00	
						209.00	
						=====	

TRADE OR RETAIL - ALL RETURNED PARTS SUPPLIED CORRECTLY WILL BE SUBJECT TO A 20% HANDLING CHARGE.
THIS IS IN LINE WITH A.M.L POLICY

VAT Registration No. 236-9661-32

Registered Office: 19 Amwell Street, Hoddesdon, Herts. EN11 8TS - Registered in England No. 1303219



ASTON ENGINEERING LTD

Lonsdale Place, Derby, DE22 3LP
Tel: 01332 371566 Fax 01332 38460
Vat Registration number: GB 395 5147 22

INVOICE SP 09989

INVOICE No.

To:

DATE

01/04/2008

VEHICLE

REGISTRATION No.

MILEAGE

ENGINE No.

ORDER No.

CHASSIS No.

DETAILS OF WORK

DETAILS:

Engine received from Bogota for repair/rebuild and testing as required prior to despatch back to Bogota.

Strip, clean and examine engine.

Rebuild engine using materials as listed overleaf.

Run engine on test bed and check operation.

Remove engine to Dangerous Goods packing company for specialist packing as required in accordance with air transport requirements.

LABOUR, ENGINE STRIP & REBUILD	£1,000.00
PARTS AS LISTED	£1,951.87
VAT at 17.5%	Zero rated
INVOICE TOTAL	£2,951.87
Prices in UK STERLING EXW DERBY	
CRATING COSTS TO BE ADVISED WHEN KNOWN	

Shipping agent:

Pacific network (UK) Ltd
Garretts Green Freight Depot
Bannerley Road
Garretts Green
Birmingham, B33 0SL
Tele: 0121-7862622
Contact: Chrs Newton or Paul

Delivery address:

ASTON ENGINEERING LTD
LONSDALE PLACE, DERBY, DE22 3LP
TEL 01332 371566 FAX 01332 384600
EMAIL: GORDON@ASTONENGINEERING.CO.UK

FACSIMILE TRANSMITTAL SHEET

TO:

FROM:

GORDON

COMPANY:

DATE:

04/02/00

FAX NUMBER:

TOTAL NO. OF PAGES INCLUDING COVER

PHONE NUMBER:

SENDER'S REFERENCE NUMBER:

6998/7024

RE:

YOUR REFERENCE NUMBER:

As above

Parts

☐ URGENT ☐ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

Dear

Please find on the following pages an updated estimate for the requested parts for your Aston Martin DB4 (your order ref 0001-09).

There is also another parts estimate for you (job no 7024) these are extra parts that David feels you will also require.

With regards to order no 0001-09, part number 020-023-0116 there is 4 X per car, you have asked us to supply X 1, is this correct? → **correct**.

David has also asked me to let you know the final costing of your modified kingpins. The price of each kingpin will be £185.00 each this includes shot blast and powder coat kingpin, supply and fit kingpin extension and modify steering arm to suit new geometry of car.

The only part that we do have in stock is the wiring loom. This is made to order and usually takes 4-5 weeks.

I look forward to hearing from you.

Best regards,

Gordon.

Reg No ...	Owner				Date 03/02/09
Part No	Description	Qty	Retailx1	Less %	Total
122306	GREASE SEAL,FRNT HUB	2	5.71	£	11.42
692506	REBOUND RUBBER,TAPER	2	15.50	£	31.00
020-023-0115	TAB WASHER, B.R.S.B	2	3.34	£	6.68
020-023-0116	B.R.S.B. RET.HOUSING	1	39.29	£	39.29
020-023-0128	GAITER, KING PIN	4	6.78	£	27.12
020-023-0136	SEAT, K/P UPPER BALL	2	15.98	£	31.96
020-023-0160	GAITER,KING PIN TOP	2	4.13	£	8.26
020-023-0161	GAITER,REACTION SIRT	2	27.35	£	54.70
020-024-0127	TAB WASHER,RACK	2	6.29	£	12.58
020-024-0128	GAITER-STEERING RACK	2	16.27	£	32.54
020-024-0130	TRACK ROD END, 5/8"	2	25.12	£	50.24
020-024-0131	STEERING RACK MTG	2	45.41	£	90.82
020-025-0111	FELT RING	2	4.13	£	8.26
020-025-0140	GAITER-S/COL TO B/HD	1	39.89	£	39.89
020-025-0143	RUBBER JOINT,BULKHD	2	11.14	£	22.28
020-029-0141	RUBBER PAD,FOOTPEDAL	2	6.08	£	12.16
020-033-0102	FR FLEXY BRAKE HOSE	2	21.45	£	42.90
020-033-0103	FLEXIBLE HOSE ASSY	1	20.18	£	20.18
020-034-0118	RUBBER BUSH	4	3.34	£	13.36
055-002-0103	DURLOCK BOLT	8	4.98	£	39.84
AE020-023-0120	WISHBONE BUSH	8	22.50	£	180.00
E&OE				£	775.48 0.00

O.K. *Deere*

04/02/2009 11:02 +44-01332-384500

ASTON ENGINEERING

PAGE 02

Aston Engineering Estimate

Job No 0007024

page 1

Reg No
Part No

Owner
Description

Qty Retailx1 Less %

Date 04/02/09
Total

DB4LOOM01 DB4 LOOM COMPLETE	1	765.00	10	£	688.50 ?
020-011-0702 RELEASE BEARING	1	48.34	10	£	43.51
064-011-0753 BAL.CLUTCH ASSY 9.5"	1	926.05	5	£	879.75
ae020-023-0133b UPPER W/BONE,STD TR	4	160.00		£	640.00
E&OE				£	2,251.76 0.00

WEST VALLEY

INSTRUMENT SPECIALISTS, INC.

19314 Vanowen Street • Roseville, CA 95735
(877) 818-9402 • (818) 755-8500 • Fax (818) 755-8504

www.westvalleyinstruments.com

Work Order

0

INVOICE	TYPE	DATE	TIME	PAGES
97113	RETAIL	10/20/2010	2:24 PM	1

DEALER INFORMATION	
SIN:	

APPOINTMENT INFORMATION	
Sales1: ELAIN	Day: Wednesday Bay#: 0
Sales2:	Date: 10/20/2010 1:57:05 PM
Start Time: 01:57 PM	Stop Time: 01:57 PM
Special:	
Dept/Class:	

INFORMATION	
VIP#	
N	N
PHONE:	WORK:
REC'D 10/5/10	

AUTOMOBILE DESCRIPTION	
Make:	Model:
Year:	Color:
VIN#:	
Odometer:	
Registration:	

JOB DESCRIPTION	
SPEEDOM. 11431, TACH/CLOCK, FUEL GAUGE & SENDER, AND DUAL GAUGE	
SET IS MISSING AN AMMETER	

QTY.	MODEL	MAKE	DESCRIPTION	SERIAL NO.	LIST	PRICE	SUBTOTAL
1	SN RESALE	MISC	SPEEDOMETER RU	SN 6364/03		\$160.00	\$160.00
1	RN RESALE	MISC	TACHOMETER, CONVERT TO ELECTRIC	RN RESALE		\$240.00	\$240.00
1	CE UPGRADE	SMITHS	REPAIR/UPGRADE ORIGINAL MOVEMENT	CLOCK		\$175.00	\$175.00
1	FG RESALE	MISC	FUEL GAUGE RU	FG 2636/01		\$120.00	\$120.00
1	GD RESALE	MISC	DUAL GAUGE RU	GD RESALE		\$150.00	\$150.00
1	FT RESALE	MISC	TANK UNIT RU	FT 5346/05		\$120.00	\$120.00

+ SHIPPING

LABOR/SUBLET DESCRIPTION		TECHNICIAN		START	STOP
SUBLET: Last Tech: 0 Last Salesperson: 0		TECHNICIAN		START STOP	
Materials: \$175.00 Labor: \$0.00 Sublet: \$0.00 Other: \$0.00 Misc: \$790.00 Sales Tax: \$0.00 Invoice \$965.00					

QUALITY CONTROL CHECKLIST															
HORN	☐	☐	WIPERS	☐	☐	BRAKE LIGHT	☐	☐	HEATER FAN	☐	☐	INTERIOR	☐	☐	☐
WINDOWS	☐	☐	HEADLMPS	☐	☐	DOME LIGHT	☐	☐	REAR DEFOG	☐	☐	EXTERIOR	☐	☐	☐
DIRECTIONS	☐	☐	DASHLMPS	☐	☐	CIG. LIGHTER	☐	☐	GLOVEBOX	☐	☐	SECURITY	☐	☐	☐
HAZARD LTS	☐	☐	PK LGHTS	☐	☐	PWR ANTENNA	☐	☐	TEST RIDE	☐	☐		☐	☐	☐
I authorize performance of the work as described above.															



HERITAGE

ASTON

ENGINEERING LTD

Head Office: Park, Derby DE22 3JP Tel: 01332 371566 Fax: 01332 384600 web: www.astonengineering.co.uk
VAT Registration Number: GB395 5147 22

INVOICE TO:

DELIVER TO:

Invoice Number: P 14620
Invoice Date: 15/05/2012
Order Number:
Customer Ref: CST02
Status: Account
Salesperson: Ross

PARTS/MATERIALS

Part Number	Description	RRP	Unit Price	Qty	Total Nett
59167	WINDOW HANDLE, FLUTED	£22.10	£22.10	2	£44.20
059168	ESCUTCHEON, HANDLE	£14.50	£14.50	4	£58.00
030-005-0044	DOOR HANDLE, INNER	£21.20	£21.20	2	£42.40
LEATHER01	MULBERRY LEATHER 7618	£234.91	£234.91	4	£939.64
CARPET01	RED WILTON CARPET PER MTR	£53.90	£53.90	5	£269.50
HARDURA01	HARDURA BLK BOOT COVERING MTR	£19.54	£19.54	4	£78.16
HEADLINING01	OFF WHITE HEADLINING MTR	£15.23	£15.23	14	£213.22
VYNIL01	BLACK VYNIL MTR	£24.88	£24.88	2	£49.76
LEATHERCLOTH01	BLACK LEATHERCLOTH MTR	£14.06	£14.06	2	£28.12
RUBBER01	RIBBED RUBBER MATTING 1.2MTR	£24.38	£24.38	1	£24.38
CARR04	CARRIAGE & PACKAGING	£410.00	£410.00	1	£410.00

Total VAT Breakdown (All pages)

Code	Rate	Total (ex VAT)	VAT
T9	0.00%	£2157.38	£0.00

Sub-Total: £2,157.38
VAT: £0.00
Total: £2,157.38

Visit us at WWW.ASTONENGINEERING.CO.UK or our online store at WWW.ASTONHERITAGE.CO.UK

Invoice Number: P14620

Page: 1



HERITAGE

ASTON

ENGINEERING LTD

Lonsdale Place, Derby DE22 3JP Tel: 01332 321566 Fax: 01332 394663 web: www.astonengineering.co.uk
 VAT Registration Number: GB395 5147 22

Invoice Number: P 15142
 Invoice Date: 18/10/2012
 Order Number:
 Customer Ref: CST02
 Status: Account
 Salesperson: Ross

PARTS/MATERIALS

Part Number
CARRIAGE

Description
CARRIAGE

RRP	Unit Price	Qty	Total Nett
£58.00	£58.00	1	£58.00

Total VAT Breakdown (All pages)			
Code	Rate	Total (ex VAT)	VAT
T9	0.00%	£58.00	£0.00

Sub-Total: £58.00
 VAT: £0.00
 Total: £58.00

Visit us at WWW.ASTONENGINEERING.CO.UK or our online store at WWW.ASTONHERITAGE.CO.UK

Invoice Number: P15142

Page: 1



HERITAGE

ASTON

ENGINEERING LTD

Unit 14, Parkway, Derby DE22 3JP Tel: 01332 341566 Fax: 01332 384600 web: www.astonengineering.co.uk
VAT Registration Number: GB395 5147 22

INVOICE TO:

DELIVER TO:

Invoice Number: P 16019
Invoice Date: 26/07/2013
Order Number:
Customer Ref: CST02
Status: Account
Salesperson: Ross

PARTS/MATERIALS

Part Number	Description	RRP	Unit Price	Qty	Total Nett
023-050-0070A	FRONT SCREEN TINTED, DB4/5 **	£367.50	£367.5	1	£367.50
DUCTING02	3 1/4" DUCTING per METRE	£17.63	£17.63	1	£17.63
020-037-0167A	GENUINE SCREENWASH JET - SINGLE	£18.23	£18.23	2	£36.46
CARR04	UPS CARRIAGE	£295.50	£295.5	1	£295.50

Total VAT Breakdown (All pages)			
Code	Rate	Total (ex VAT)	VAT
T9	0.00%	£717.09	£0.00

Sub-Total: £717.09
VAT: £0.00
Total: £717.09

ASTON
ENGINEERING

Lonsdale Place
Derby, DE22 3LP

Tel: 01332 371566

Aston Engineering

Customer

Engine ID VB6E 50/13/09

Engine Capacity 4.2 cc Cylinders 6

Tester D.J. M.S.

Test Date 05/03/08

Ign System POINTS

Fuel System TWIN SU

Exhaust STD

Test Notes:

4.2LTR. TWIN SU. DB4 ENGINE

STD EARLY DB4 CAMSHAFTS

4LTR VALVES

5 DEG @ IDLE

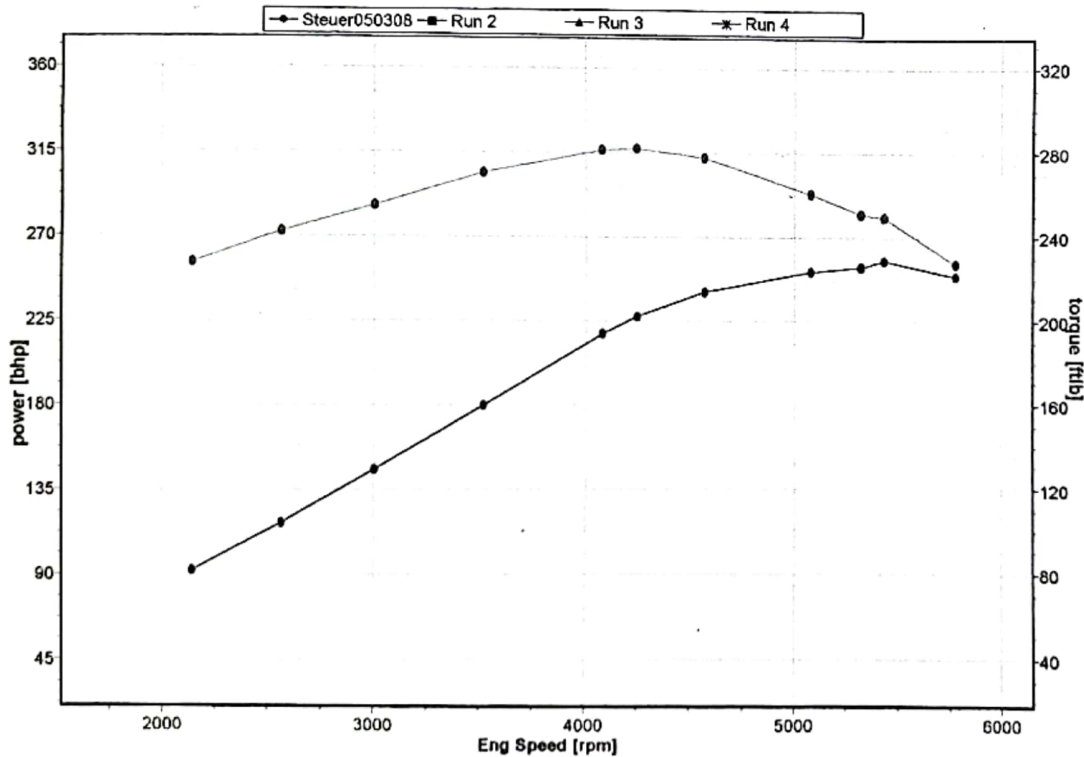
20 DEG @ 2000

27 DEG @ 2500

30 DEG @ 3000

STD INTAKE TRUMPET

Power Curve



Data from Steuer050308

Eng Speed rpm	power bhp	torque ftlb	Lambda 1 la
2169	94.2	228.5	0.82
2562	118.8	243.8	0.81
3026	147.9	257.1	0.86
3575	184.0	270.7	0.86
4079	218.0	281.2	0.90
4248	227.6	281.8	0.92
4541	240.2	278.2	0.92
5082	251.8	260.6	0.92
5326	254.5	251.3	0.92
5576	257.8	243.2	0.91
5776	249.5	227.2	0.87

ASTON ENGINEERING



**ASTON
ENGINEERING**

**Lonsdale Place
Derby, DE22 3LP**

Tel: 01332 371566

Aston Engineering

Customer

Engine ID VB6E 50/13/09

Engine Capacity 4.2 cc Cylinders 6

Tester D.J. M.S.

Test Date 05/03/08

Ign System POINTS

Fuel System TWIN SU

Exhaust STD

Test Notes:

4.2LTR. TWIN SU. DB4 ENGINE

STD EARLY DB4 CAMSHAFTS

4LTR VALVES

5 DEG @ IDLE

20 DEG @ 2000

27 DEG @ 2500

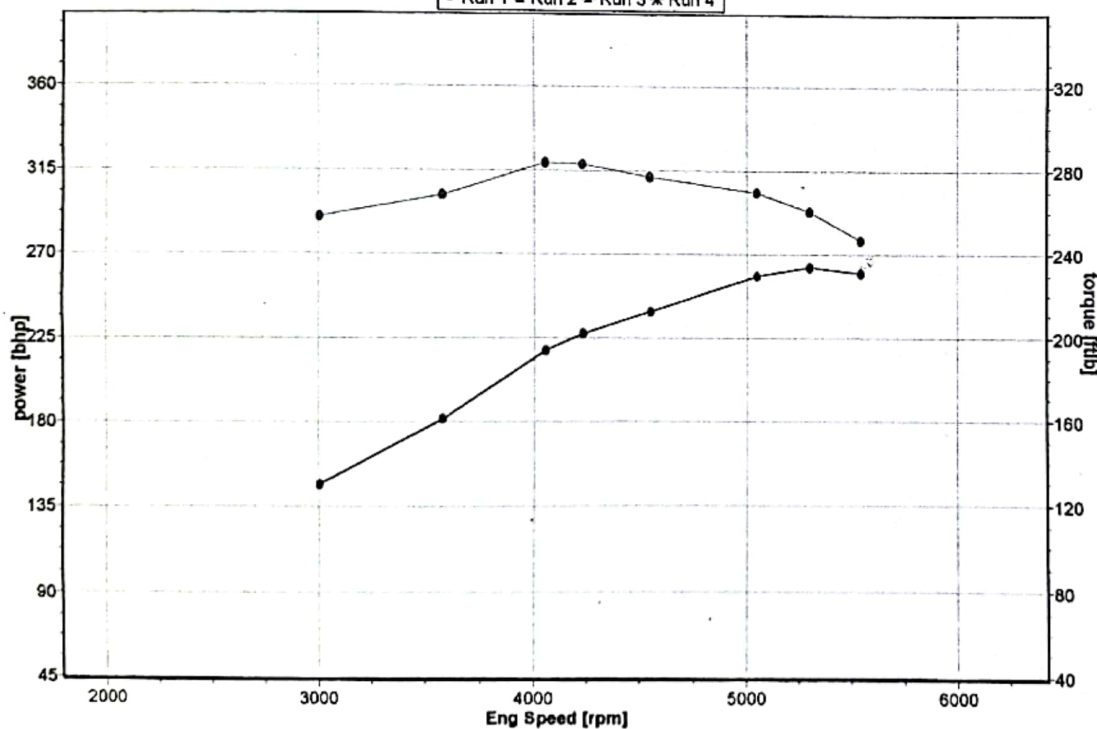
30 DEG @ 3000

STD INTAKE TRUMPET

PLUS 2 DEG ON TIMING THIS RUN

Power Curve

• Run 1 • Run 2 • Run 3 • Run 4



Data from Run 1

Eng Speed rpm	power bhp	torque ftlb	Lambda 1 la
3004	147.3	258.0	0.85
3542	181.7	269.9	0.87
4053	218.5	283.6	0.90
4230	227.5	283.0	0.91
4543	240.7	278.7	0.92
5049	258.5	269.3	0.95
5299	263.0	261.1	0.92
5602	260.8	244.9	0.90

ASTON ENGINEERING

