

FAX



IVEY ENGINES, INC.

4722 N.E. 148th • Portland, Oregon 97230
(503) 255-1123 • FAX (503) 255-6337

COMPANY: _____ DATE: 9/12 PAGE 1 OF 5
TO: _____ FROM: CAMERON IVEY
RE: INVOICE AND DYNO SHEETS FOR RE-SEALING AND
DYNO TUNE

IF YOU DO NOT RECEIVE ALL PAGES PLEASE CALL, (503) 255-1123

PRINT # 780 C4 LOTUS-A.CFG LOTUS.FRC Sep 5 '12 4:32 PM P
 IVEY ENGINES INC. 4722 N.E. 148th. AVE. PORTLAND OR. 97230
 PHONE (503)255-1123 FAX (503) 255-1123 E-MAIL-iveyengines@yahoo.com

C4 Wed Sep 5 '12 4:30 PM 4300 TO 8400 RPM AVG of: A2357 A2358
 A2359

DISP:1600 BORE:3.29 STRK:2.86 BARO:29.7 TEMP:90 HUMID:50

CUSTOMER: ENGINE: TEST IGN. TIMING: 37* @5000

AFTER SEALING FRONT COVER AND PAN

JETS:

P: S:

A: 180

M: 150

RPM	C TORQ	C PWR	BSFC	Fuel F	WAT T	OIL T	OIL PR	O2	TIME
BAND	Ft-Lbs	CHP	#/HrHP	#/Hr	Deg F	Deg F	PRESS	VOLTS	SEC
4302	105.4	86.3			178.5	203.0	69.2		0.7
4400	104.0	87.2			178.5	203.0	69.5		0.3
4500	108.3	88.5			172.5	205.5	69.8	0.110	1.1
4600	103.7	90.8			175.5	206.5	69.7	0.237	0.9
4700	106.1	94.9			177.0	207.5	69.7	0.352	0.5
4800	108.9	99.6			175.5	206.5	70.5	0.237	0.3
4900	112.2	104.7			175.0	207.0	70.7	0.286	0.5
5000	115.8	110.2			176.5	207.0	71.1	0.308	0.4
5100	119.1	115.6			178.0	208.0	71.4	0.386	0.8
5200	121.7	120.5			177.5	207.0	72.9	0.259	0.6
5300	122.2	123.3			177.5	208.0	73.0	0.300	0.5
5400	125.1	128.7			179.5	206.5	73.3	0.186	0.7
5500	125.4	131.3			178.0	208.0	72.8	0.256	0.7
5600	125.5	133.8			177.0	208.0	72.5	0.234	0.8
5700	125.3	136.0			177.5	208.5	71.9	0.269	1.0
5800	125.0	139.2			177.0	207.5	71.8	0.186	0.8
5900	125.6	141.0			176.5	208.0	71.2	0.220	0.7
6000	125.7	143.6			177.0	208.0	71.0	0.200	1.1
6100	124.7	144.8			179.0	209.0	70.9	0.288	0.8
6200	126.0	148.3			177.5	208.5	70.9	0.215	0.8
6300	125.5	150.6			177.0	209.0	70.3	0.232	0.7
6400	126.9	154.6			177.0	208.0	70.6	0.181	0.7
6500	128.1	158.5			176.5	209.5	68.7	0.239	0.6
6600	129.2	162.4			178.5	209.0	70.5	0.176	0.5
6700	129.2	164.7			181.5	209.0	70.9	0.159	0.4
6800	128.5	166.4			176.5	208.0	73.7	0.081	0.6
6900	128.4	168.7			176.5	209.5	72.8	0.095	0.8
7000	127.7	170.2			178.0	209.0	74.4	0.093	0.8
7100	126.3	170.0			178.0	208.5	76.1	0.103	0.8
7200	125.6	172.1			176.0	209.5	76.5	0.166	1.0
7300	124.1	172.5			178.0	209.5	76.7	0.220	1.0
7400	122.5	172.6			177.5	209.5	76.8	0.300	1.2
7500	121.2	173.1			177.5	209.5	77.1	0.359	1.2
7600	119.2	172.5			178.5	209.5	77.7	0.403	1.0
7700	116.7	171.0			178.5	210.0	78.2	0.459	1.3

PRINT #	780	C4	LOTUS-A.CFG		LOTUS.FRC		Sep 5 '12		4:32 PM	Pg
RPM	C TORQ	C PWR	BSFC	Fuel F	WAT T	OIL T	OIL PR	O\2	TIME	
BAND	Ft-Lbs	CHP	#/HrHP	#/Hr	Deg F	Deg F	PRESS	VOLTS	SEC	
7800	114.7	170.4			179.5	210.6	78.2	0.508	1.2	
7900	112.9	169.6			180.5	210.5	78.1	0.552	1.4	
8000	110.5	168.3			179.5	210.5	77.8	0.574	1.4	
8100	108.5	167.3			179.3	210.0	77.5	0.588	1.7	
8200	106.1	165.7			179.0	210.0	77.7	0.605	1.6	
8300	105.4	166.6			180.0	210.0	77.8	0.603	1.6	
8359	104.7	166.6			180.0	210.0	78.1	0.610	0.6	
AVRG	123.4	152.4			177.9	208.7	73.5	0.264	26.3	

AVERAGE RESULTS From 5000 RPM to 8000 RPM

DEPAC # 242

PRINT #	780	C4	LOTUS-A.CFG		LOTUS.FRC		Sep 5 '12		4:32 PM	Pg
RPM	C.F.	EGT 1	EGT 2	EGT 3	EGT 4	A Dens				
BAND		Deg F	Deg F	Deg F	Deg F	100 %				
4302	1.0490	893	1001	881	1024	92.6				
4400	1.0490	907	1006	890	1025	92.6				
4500	1.0495	950	1050	948	1076	92.6				
4600	1.0493	972	1064	959	1079	92.6				
4700	1.0500	994	1082	976	1090	92.6				
4800	1.0500	976	1065	961	1077	92.6				
4900	1.0500	988	1075	973	1085	92.6				
5000	1.0500	992	1076	972	1082	92.6				
5100	1.0500	1013	1094	991	1094	92.6				
5200	1.0495	996	1075	973	1077	92.6				
5300	1.0495	1012	1088	990	1090	92.6				
5400	1.0495	992	1068	967	1068	92.7				
5500	1.0495	1020	1092	997	1094	92.6				
5600	1.0495	1026	1097	1004	1093	92.6				
5700	1.0495	1044	1112	1020	1111	92.6				
5800	1.0495	1032	1102	1009	1102	92.6				
5900	1.0495	1048	1115	1023	1112	92.6				
6000	1.0495	1050	1117	1023	1112	92.6				
6100	1.0495	1083	1147	1050	1131	92.6				
6200	1.0495	1068	1132	1038	1121	92.6				
6300	1.0495	1078	1142	1048	1129	92.6				
6400	1.0495	1071	1134	1041	1122	92.6				
6500	1.0495	1094	1157	1062	1142	92.6				
6600	1.0495	1090	1152	1057	1134	92.6				
6700	1.0490	1103	1162	1064	1138	92.6				
6800	1.0495	1078	1141	1048	1130	92.6				
6900	1.0495	1100	1161	1068	1148	92.6				
7000	1.0495	1108	1167	1074	1152	92.6				
7100	1.0490	1108	1167	1074	1151	92.6				
7200	1.0495	1118	1177	1085	1163	92.6				
7300	1.0495	1130	1188	1093	1170	92.6				
7400	1.0495	1142	1199	1104	1179	92.6				
7500	1.0495	1153	1211	1114	1189	92.6				

PRINT #	C4	LOTUS-A.CFG				LOTUS.FRC	Sep 5 '12 4:32 PM Pg.	
RPM	C.F.	EGT 1	EGT 2	EGT 3	EGT 4	A. Dens		
BAND		Deg F	Deg F	Deg F	Deg F	100 %		
7600	1.0495	1163	1223	1122	1196	92.6		
7700	1.0495	1174	1235	1132	1204	92.6		
7800	1.0495	1190	1248	1143	1214	92.6		
7900	1.0495	1204	1259	1152	1222	92.6		
8000	1.0495	1207	1263	1155	1223	92.6		
8100	1.0495	1213	1268	1158	1223	92.6		
8200	1.0495	1221	1272	1164	1232	92.6		
8300	1.0495	1230	1278	1166	1237	92.6		
8359	1.0495	1235	1282	1170	1240	92.6		
AVRG	1.0495	1087	1152	1055	1139	92.6		

AVERAGE RESULTS From 5000 RPM to 8000 RPM

DEPAC # 242

MARCOVICCI-WENZ INC.

33 Comac Loop Unit 10
Ronkonkoma, NY 11779-6856
Ph (631) 467-9040 Fax (631) 467-9041
mwerace@cs.com

Invoice

Date	Invoice #
2/5/2008	5440

*210 HP
145 Torque*

Bill To

ENGINE NUMBER	TERMS	PROJECT
MWE # 1469	Due on receipt	New TC

QUANTITY	DESCRIPTION	RATE	AMOUNT
1	Alloy Block 1600 Twin Cam to Absolutely Best Spec with Single Plate Clutch	32,400.00	32,400.00
	Customer Deposit	-20,000.00	-20,000.00

ALL ENGINES, PARTS OR COMPONENTS ARE SOLD "AS IS" WITH NO EXPRESSED OR IMPLIED WARRANTY OF ANY KIND. WE SHALL NOT BE LIABLE FOR CONSEQUENTIAL DAMAGE. AN INTEREST CHARGE OF 1.5% PER MONTH WILL BE APPLIED TO ALL OVERDUE ACCOUNTS.

Total **\$12,400.00**

Marcovicci-Wenz Engineering

33 Comac Loop
Ronkonkoma, N.Y. 11779
Ph. 631-467-9040

Owner

Contact:

Phone:

Comments

Twincam 1600 MWE #1469 all new
36 degrees 150-180 f16

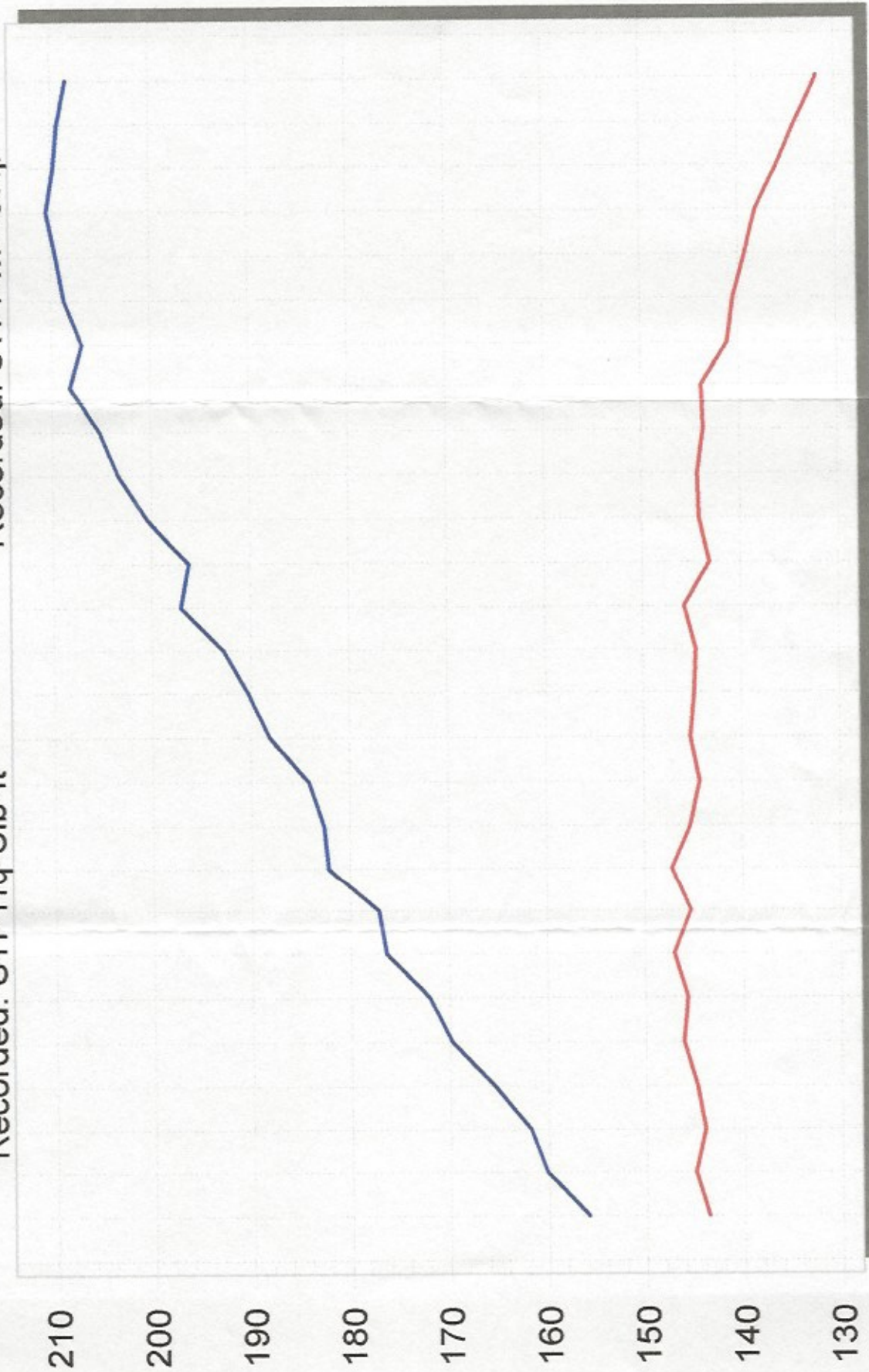
Data-Corrected Torque and Power

EngSpd RPM	STPTrq Clb-ft	STPPwr CHp	Fuel A lb/hr	Fuel B lb/hr	A/F Ratio	Air 1 scfm	BSFC lb/hph	VolEff %
5700	143.7	155.9	58.4	0.0	0.00	0	0.404	0.0
5800	145.0	160.2	63.6	0.0	0.00	0	0.428	0.0
5900	144.0	161.8	63.0	0.0	0.00	0	0.420	0.0
6000	144.8	165.4	66.3	0.0	0.00	0	0.432	0.0
6100	146.2	169.8	68.4	0.0	0.00	0	0.435	0.0
6200	145.7	172.0	67.2	0.0	0.00	0	0.422	0.0
6300	147.1	176.4	70.1	0.0	0.00	0	0.430	0.0
6400	145.4	177.2	69.7	0.0	0.00	0	0.426	0.0
6500	147.3	182.2	73.7	0.0	0.00	0	0.438	0.0
6600	145.4	182.7	72.5	0.0	0.00	0	0.430	0.0
6700	144.4	184.2	75.3	0.0	0.00	0	0.443	0.0
6800	145.3	188.1	73.9	0.0	0.00	0	0.426	0.0
6900	144.9	190.3	76.4	0.0	0.00	0	0.435	0.0
7000	144.7	192.8	77.4	0.0	0.00	0	0.436	0.0
7100	145.8	197.1	78.6	0.0	0.00	0	0.433	0.0
7200	143.2	196.3	83.4	0.0	0.00	0	0.461	0.0
7300	144.2	200.5	82.4	0.0	0.00	0	0.446	0.0
7400	144.3	203.4	81.1	0.0	0.00	0	0.433	0.0
7500	143.7	205.2	85.6	0.0	0.00	0	0.454	0.0
7600	143.9	208.2	84.5	0.0	0.00	0	0.443	0.0
7700	141.2	207.0	82.5	0.0	0.00	0	0.436	0.0
7800	140.6	208.7	91.4	0.0	0.00	0	0.479	0.0
7900	139.3	209.6	92.0	0.0	0.00	0	0.481	0.0
8000	138.2	210.5	96.6	0.0	0.00	0	0.503	0.0
8100	136.0	209.8	99.9	0.0	0.00	0	0.523	0.0
8200	134.1	209.4	99.4	0.0	0.00	0	0.524	0.0
8300	131.9	208.5	99.0	0.0	0.00	0	0.525	0.0

Corrected Torque and Power

Recorded,

Recorded: STPTrq-CIb-ft Recorded: STPPwr-CHp



From:
To:
Sent: Tuesday, February 05, 2008 1:06 PM
Subject: Twincam

Hi

Excellent news, we tested the twincam, it makes 210 plus h.p. and 147 ft. lb. That's the best we've ever seen (I know, you're thinking "you say that to all the girls") This one will win races.

Starting to put the Bristol on today, expect it to be done by Friday.

Twincam invoice will follow.

Best Regards,

LOTUS 1600CC TWIN CAM (ALLOY)

JENNINGS ALLOY BLOCK

"ENGLISH" STEEL CRANK

CARILLO NARROW "BDA" RODS

SHORT PISTONS (JE)

STEEL CAMS (LATEST VERSION)

13.2 : 1 COMP

LIGHTWEIGHT THIN TAPPETS

TITANIUM RETAINERS

ELBACH SPRINGS

EVERETT CHAIN "TIMING"

~~JE PISTONS~~

COATED ALL "H" BEARINGS

.7 DRY-SUMP PUMP (PRESSURE)

LIGHTWEIGHT STEEL F/W W/ EXTERNAL THERM

LUCAS AB14 IGNITION