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*Ferrari Motor*

## ENGINE SPECIFICATIONS

OWNER: Abramson COMPLETION DATE: 28/8/19

OB NO: 9694 ENGINE NO: .....

TYPE: Ferrari Monza

DISP: 3000 BORE: 103 mm STROKE: 90 mm

LOCK: H e H MAIN TUNNEL SIZE: .....

CRANKSHAFT: H e H

MAIN JOURNAL SIZE: 2.3531 (with Bearing) CLEARANCE: .002

ROD JOURNAL SIZE: 1.9619 CLEARANCE: .0019

CR/SHAFT END FLOAT: 0.005 TIMING GEAR BACKLASH: .....

TIMING CHAIN TYPE: gear Drive NO OF LINKS: .....

CONNECTING RODS: .....

CRANK END BORE: 53.70 PIN BORE: 28.60

CRANK SIDE CLEARANCE: 0.10 LENGTH: .....

BEARINGS: MAINS: H e H

RODS: H e H

THRUST: H e H

PISTONS: H e H

PISTON/BORE CLEARANCE: 102.978

CRANK DECK HEIGHT: .....

CRANK PUDGEON PIN: H e H COMPRESSION RATIO: 10.1

CRANK RETAINED BY: wire clips CLEARANCE: .0010

PISTON RINGS: Nashua 6-1 Hemi CS00 Chrysler

CRANK TOP RING TYPE: walk WIDTH: 1.5

CRANK 2<sup>ND</sup> RING TYPE: cash WIDTH: 1.5

CRANK 3<sup>RD</sup> RING TYPE: 3 piece WIDTH: 3.0

CRANK 4<sup>TH</sup> RING TYPE: .....

TORQUE SPECS:

CRANK CYLINDER HEAD: NA MAINS: 60 lbs

CRANK AUX OR CROSS BOLTS: NA ROD BOLTS: .....

CRANK PINCH BOLTS: NA OTHER: .....

CRANK CYLINDER HEAD: .....

CRANK HEAD GASKET: .....

CRANK INLET VALVE: .....

CRANK HEAD DIA: 52 mm THICKNESS: .....

CRANK STEM DIA: 11.97



EXHAUST VALVE ..... HEAD DIA: 49 ..... STEM DIA: 11.95  
VALVE SEATS IN: Al. Bronze ..... EX: Al. Bronze  
VALVE GUIDES IN: " ..... EX: "  
VALVE TO GUIDE CLEARANCE IN: 0.50 ..... 0.002 ..... EX: 0.063 ..... 0.003  
VALVE SEALS: NA  
COLLET TYPE: H e H ..... RETAINERS: H e H  
PUSHRODS: NA

CAMSHAFT(S): H e H  
DURATION: IN: ..... EX: ..... LIFT IN: ..... EX: .....

CAMSHAFT JOURNAL SIZE(S):  
RUNNING CLEARANCE: IN: 0.008 ..... EX: 0.010  
CHECK TIMING @: Lobe center @ 105 ex and intake. TAPPET LIFT

INLET OPEN: ..... INLET CLOSE: .....  
EXHAUST OPEN: ..... EXHAUST CLOSE: .....  
LOBE CENTRES: 105°

VALVE TO PISTON CLEARANCE IN: ..... EX: .....  
VALVE SPRINGS: Half e Half  
SEAT PRESSURE: ..... OPEN PRESSURE: .....

CAM FOLLOWERS: Rollers  
CAM BEARINGS: Integral ..... BEARING CLEARANCES: 0.0015

COMPONENT WEIGHTS IN GRAMS:

PISTON (BARE): 563 ..... GUDGEON PIN + CLIPS: 163 + 2  
RING SET (ONE PISTON): 45 ..... TOTAL CONROD: 680  
BIG END: 789 ..... SMALL END: 340 ..... ROD BEARINGS: 64

CYLINDER SWEEP VOLUME: 750 ..... CLEARANCE VOLUME: 82  
COMPRESSION RATIO: 10:1

SUPERCHARGER: .....  
DRIVE RATIO: ..... BOOST PRESSURE: .....

CARBURETTOR(S): 58 DCOE  
VENTURI DIAMETER: 44 ..... MAIN JETS: 210 ..... AIR JETS: 200  
EMULSION TUBES: F9 ..... IDLE TUBES: ..... IDLE AIR JETS: 60  
ACC PUMP JETS: ..... FLOAT LEVEL: 5mm  
AIR HORNS: 45

FUEL INJECTION: .....  
PUMP TYPE: ..... PRESSURE: .....  
IDLE: ..... WIDE OPEN: .....

IGNITION: Twin dissys

ADVANCE CURVE: .....  
STATIC TIMING: 10° BTDC ..... FULL ADVANCE: 40° ..... BTDC @: 3000 ..... RPM  
FIRING ORDER: 1343 ..... POINT GAP: 15°

DWELL ANGLE: ..... COIL TYPE: .....  
SPARK PLUGS: BR9EG ..... POINT GAP: 0.20

OIL PUMP: gear.  
OIL FILTER: wire gauze ..... REGULATOR VALVE SETTING: 57.8 @ 6000 rpm.  
OIL FILTER TYPE: mesh

EXHAUST SYSTEM: Headers only



CYLINDER HEAD SPECIALISTS  
 237 WALTHAM RD  
 CHRISTCHURCH NEW ZEALAND  
 TEL\FAX 03 3661729

Date 01-10-2019 Time 04:59:32

T04:59 D01-10 monza ferrari new as is twin pipes degree timing  
 fuel pump ?

FileName : AUTORES6.D66  
 Mode : A-Sweep

Speed Rpm	CPower C_hp	C_Tq lbft	Water° °F	oil Psi	prsfuel GPH	prFuel GPH	Egt1 °F	Egt2 °F	Egt3 °F
2500	93.186	193.7	115	54.2	0	0	961	953	744
2600	96.938	196.5	115	54.6	0	0	972.7	965.8	767.5
2700	101.8	198.2	115	54.9	0	0	979.5	968.8	778.3
2800	105.5	197.7	115	55.3	0	0	986.7	972.8	787.7
2900	109.4	198.2	113.1	55.5	0	0	994.5	975.7	795.5
3000	113.9	199.7	113	55.7	0	0	999.3	979.6	804.7
3100	118.1	199.9	113	56	0	0	1004.6	981.8	813.5
3200	120.6	197.6	113	56.2	0	0	1008.8	982	823.6
3300	123.3	196.7	113	56.3	0	0	1012.9	982	828.9
3400	127.2	196.3	113	56.6	0	0	1015.8	982	835.5
3500	128.6	193.8	111.2	56.7	0	0	1017.7	982	841.2
3600	135.8	197.2	111	56.8	0	0	1019.8	982	846.6
3700	140.6	199.9	111	56.9	0	0	1020	982	849.5
3800	147	203.4	111	57	0	0	1020	982	852
3900	154.1	207.3	111	57.1	1	0	1020	982	857.8
4000	158.8	208.5	109	57	1	0	1020	982	860.9
4100	164.6	211	109	56.9	1	0	1020	982	866.6
4200	171.2	213.5	109	57.2	1	0	1020	982	869.5
4300	176	214.6	109	57.2	1.1	0	1020	982	872
4400	181.4	216.7	109	57.2	1	0	1021	982	877
4500	188.2	219.7	107	57.3	1	0	1021	982	884.7
4600	195.3	222.9	107	57.5	1	0	1024.8	982	889.8
4700	201.3	225	107	57.5	1	.2	1025	982	897
4800	205.5	224.6	105.1	57.4	1	.1	1026.8	1001.8	904.5
4900	208	223.2	105	57.6	1	0	1029	1010.9	916.4
5000	211.6	222	104.2	57.7	1	0	1033.2	1020.2	927.7
5100	213	219.7	104	57.8	1	0	1037.5	1028.8	938.7
5200	215	217.1	104	58	1	.2	1042.9	1034.9	950.9
5300	217	215.5	102	57.8	1.1	0	1053.5	1037.4	972.4
5400	221.5	215.6	102	57.8	1.2	0	1059.9	1046.9	983.9
5500	225.5	215.5	100	57.7	1	0	1065	1074	995
5600	229.2	214.9	100	57.7	0	0	1080.2	1091.2	1018.9
5700	233.4	214.9	100	57.7	0	.1	1086.9	1100.9	1030.8
5800	236.9	214.8	98	57.6	0	.2	1093.9	1104.9	1039.9
5900	239.9	213.3	98	57.8	0	1	1103.5	1108.2	1055.7
6000	240.7	210.8	98	57.8	0	1.6	1111.7	1124.7	1066.7

[ Average data ]  
 4250 170.8 209.2 107.8 56.889 .483 .094 1028.6 1011.3 890.1

[ Inertia factor ] 1.1 [ Time ] 0 Secs