



a four-year Christian coeducational college

That the world may know...

LETOURNEAU
COLLEGE

ARTS AND SCIENCES • ENGINEERING AND TECHNOLOGY / LONGVIEW, TEXAS 75602 • area 214 / phone 753-0231

Test Car: 1973 Vega 4 cyl.

Tester: Jerry Kraus, Assistant Professor of Mechanical Technology

	<u>Before</u>	<u>After</u> ████████ <u>Treatment</u>
Date:	12-6-78	1-5-79
Mileage	67702	71580
Cranking Amps	175A	150A
Idle Speed	800 RPM	870 RPM
<u>Compression Test</u>		
Cylinder 1	140 psi	145 psi
Cylinder 2	137 psi	140 psi
Cylinder 3	135 psi	135 psi
Cylinder 4	135 psi	135 psi
<u>Cylinder Balance Test @ 1000 RPM</u>		
Cylinder 1	-130 rpm	-200 rpm
Cylinder 2	-130 rpm	-180 rpm
Cylinder 3	-120 rpm	-200 rpm
Cylinder 4	-120 rpm	-210 rpm

SUBJECT: 1967 DODGE POLARA

RE: PETROLON [REDACTED]

ENGINE: 383 Cu. In.

PLACE: LE TOURNEAU COLLEGE

TESTER: JERRY KRAUS, Instructor for Automotive Shop (Ph. 757-4747)

	<u>BEFORE (9-7-78)</u>	<u>AFTER (9-22-78)</u>
Mileage	73,790	73,945
Cranking Volts	9.2	11.0
Cranking Amps	140	150
Cranking Speed	180rpm	100rpm
Idle speed in drive	600rpm	670rpm
Compression Test	@ 120rpm	(cold)

Cylinder 1	133 psi	140 psi
2	140 psi	145 psi
3	135 psi	145 psi
4	135 psi	139 psi
5	135 psi	139 psi
6	125 psi	130 psi
7	135 psi	147 psi
8	140 psi	143 psi

Cylinder Balance Test @ 1,000rpm

Cylinder 1	-25rpm	-60rpm
2	-20rpm	-58rpm
3	-25rpm	-55rpm
4	-25rpm	-55rpm
5	-30rpm	-52rpm
6	-35rpm	-55rpm
7	-35rpm	-58rpm
8	-30rpm	-55rpm

After 800 miles, mileage per gallon increased from 16mpg to 21.8mpg (highway driving)

Signed Oct. 17, 1978

Jerry Kraus