

SUMMARY OF TESTING: CHEMISTRY, EMISSIONS, AND MILEAGE

Registered with E.P.A.
Registered with C.A.R.B.

D-199

D-317

TEXAS ENVIRONMENTAL TECHNOLOGIES-Ft. Worth, Texas

Harley Davidson 1998

Odometer 6506 mi.

TYPE OF TEST: EPA Bag Test on Dynamometer

<u>RESULTS:</u>	Mileage Before	40.602 mpg	
	Treatment Mileage After	45.320 mpg	
	Treatment	+11.6%	
	Before Total Hydrocarbon Emissions		1.222 gm/mi
	After Total Hydrocarbon Emissions	.939 gm/mi	30% Reduction
	Before (CO) Carbon Monoxide		26.564 gm/mi
	After (CO) Carbon Monoxide	13.912 gm/mi	48.7% Reduction
	Before (NOX) Nitric Oxides		.001
	After (NOX) Nitric Oxides	.001	No Change

INSTITUTE OF PETROLEUM-Mexico City

Vehicle: 1993 VW and 1993 Nissan

TYPE OF TEST: EPA Protocols Bag Test on Dynamometer

<u>RESULTS:</u>	Average: Reduction of (CO)	30.6%
	Average: Reduction of (HC)	5.7%
	Average: Reduction of (NOX)	14.18%
Improved Mileage:	1993 VW Vehicle	+15.26%
	1993 Nissan Vehicle	+ 16.95%

CUADRO 1

EMISIONES DE ESCAPE (g/km) Y RENDIMIENTO DE COMBUSTIBLE
EVALUACION CATALIZADOR /ON EN EQUIPO CVS FTP-75
VEHICULO "A" GASOLINA MAGNA SIN

PRUEBA SIN MTBE	EMISIONES g/km			REND km/l
	CO	HC	NOx	
1 CVS 203	2.65	0.24	0.34	12.63
2 CVS 210	2.71	0.24	0.33	12.67
PROMEDIO	2.68	0.24	0.34	12.65
1 CVS 216	1.88	0.24	0.29	12.89
2 CVS 220	1.92	0.23	0.30	12.60
PROMEDIO	1.90	0.23	0.29	12.74
% VARIACION	-29.2	-4.16	-14.70	+0.71

PRUEBA CON MTBE	EMISIONES g/km			REND km/l
	CO	HC	NOx	
1 CVS 234	1.60	0.21	0.35	11.02
2 CVS 24308	1.60	0.20	0.36	11.05
PROMEDIO	1.60	0.21	0.36	11.03
1 CVS 225	1.65	0.22	0.31	12.93
2 CVS 232	1.72	0.21	0.33	12.87
PROMEDIO	1.68	0.21	0.32	12.90
% VARIACION	+5.0	0.0-	-11.11	+16.95

VEHICULO NISSAN TSURU 1993 INY (305 GJV)

**EMISIONES DE ESCAPE (g/km) Y RENDIMIENTO DE COMBUSTIBLE
EVALUACION CATALIZADOR ION EN EQUIPO CVS FTP-75
VEHICULO "B" GASOLINA MAGNA SIN**

PRUEBA SIN MTBE	EMISIONESg/km			REND km/l
	CO	HC	NOx	
1 CVS 202	3.60	0.42	0.44	11.52
2 CVS 208	3.50	0.41	0.41	11.60
PROMEDIO	3.55	0.42	0.43	11.55
1 CVS 219	3.62	0.43	0.38	11.86
2 CVS 222	3.43	0.36	0.34	11.83
PROMEDIO	3.52	0.39	0.36	11.84
% VARIACION	-8.4	-7.14	-16.28	+2.51

PRUEBA CON MTBE	EMISIONES g/km			REND km/l
	CO	HC	NOx	
1 CVS 242	2.98	0.35	0.41	10.22
2 CVS 245	3.23	0.35	0.40	10.22
PROMEDIO	3.10	0.35	0.41	10.22
1 CVS 227	3.18	0.30	0.34	11.82
2 CVS 229	3.33	0.36	0.35	11.75
PROMEDIO	3.25	0.33	0.35	11.78
% VARIACION	+4.83	-5.71	-14.63	+15.26

VEHICULO VW SEDAN 1993 INY (160-GF)