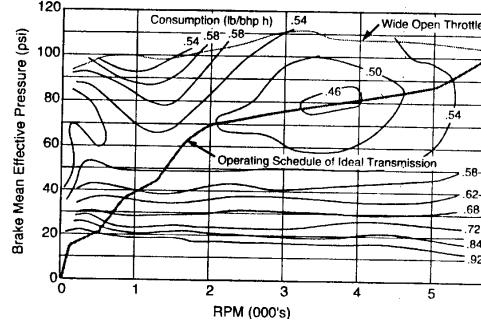
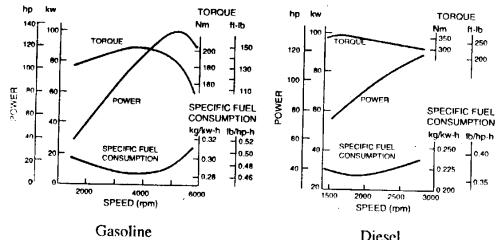


Slide 1

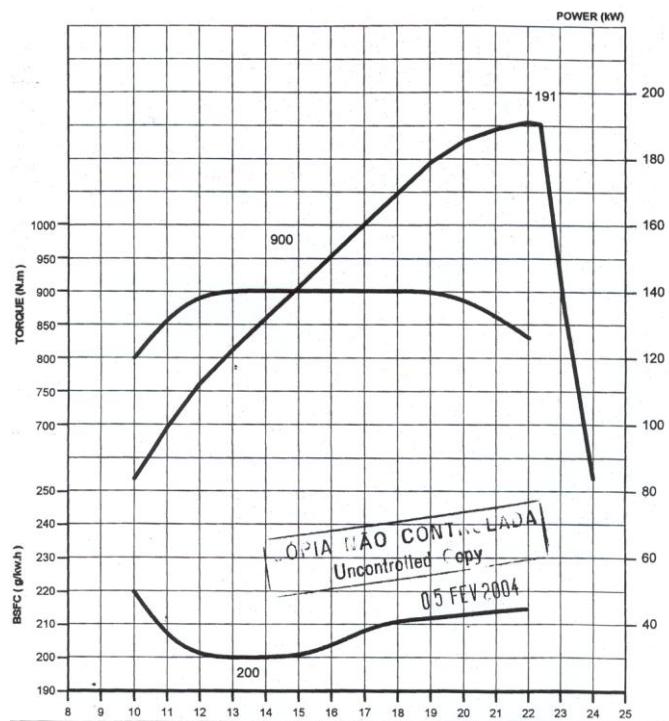
- Curvas do motor
- Torque x rotação
- Potência x rotação
- Consumo x rotação
- Plena carga



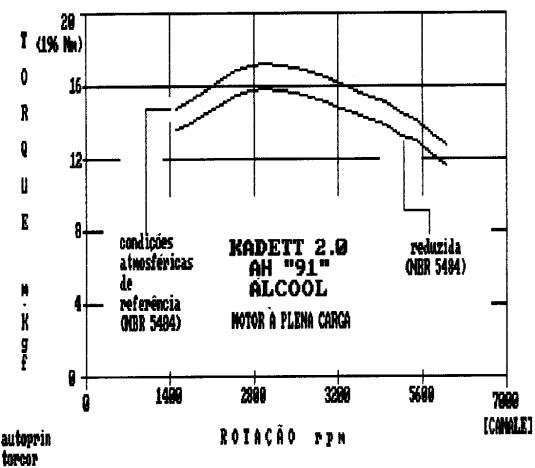
Tração 1



Curvas
motor
Diesel



Redução da curva de torque das condições indicadas na NBR 5484 para as condições de teste do veículo.



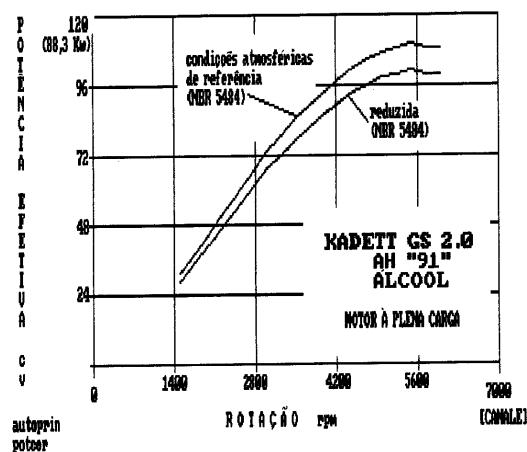
obs.: redução da curva de torque segundo NBR 5484 (27).

. fator de redução 0,917.

fig. (5.1)- Torque motor x rotação, nas condições atmosféricas de referência segundo NBR 5484, e nas condições atmosféricas do teste de estrada realizado no veículo.

Tração 2

Redução da curva de potência das condições indicadas na NBR 5484 para as condições de teste do veículo.



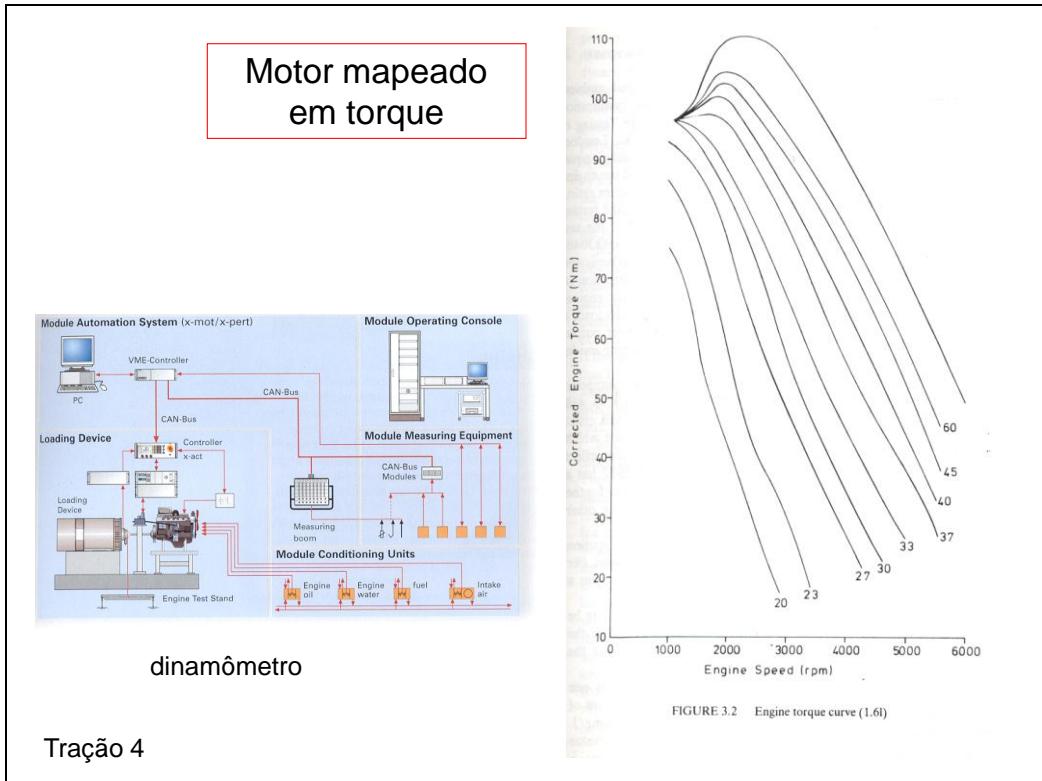
.obs.: redução da curva de potência segundo NBR 5484 (27).

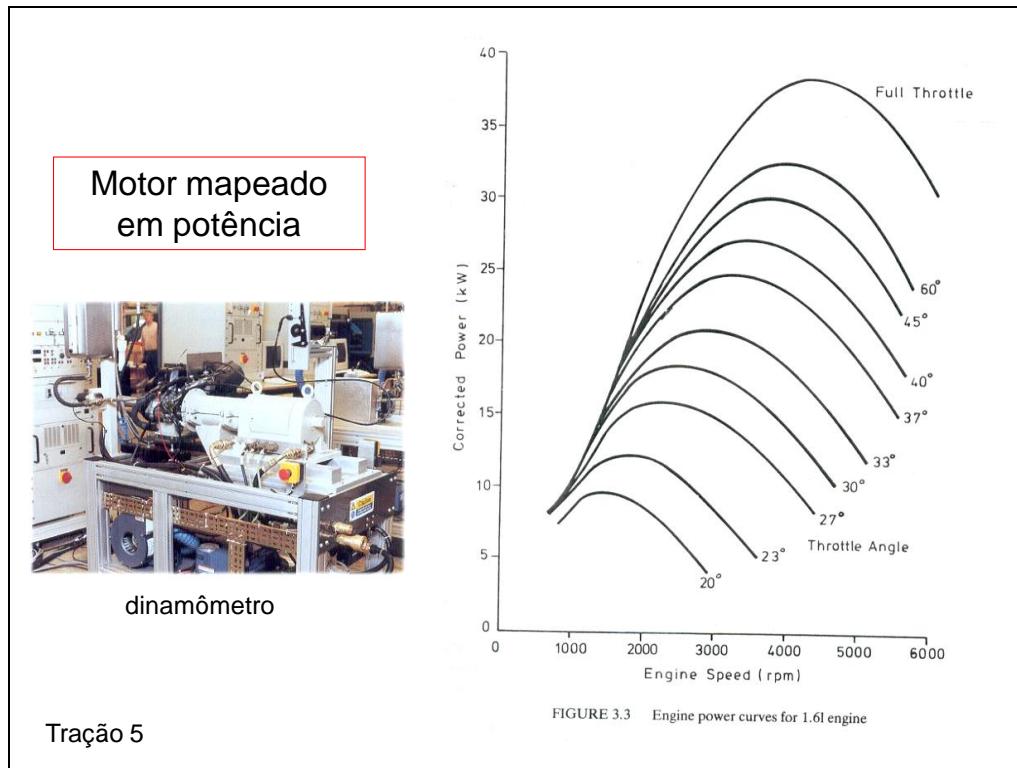
. fator de redução 0,917.

Fig. (5.2) - Potência efetiva x rotação do motor, nas condições atmosféricas de referência segundo NBR 5484, e nas condições atmosféricas do teste de estrada realizado no veículo.

Tração 3







Motor mapeado
em consumo
específico

Tração 6

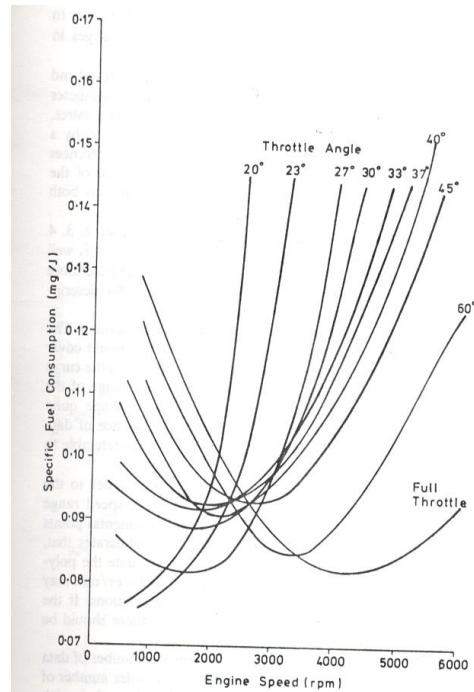
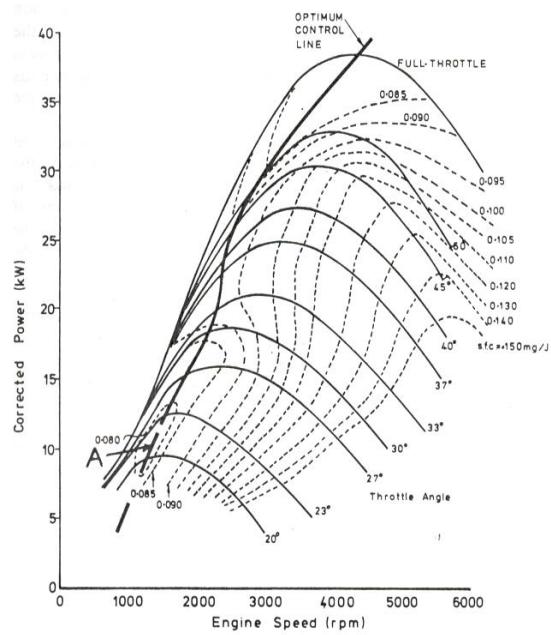


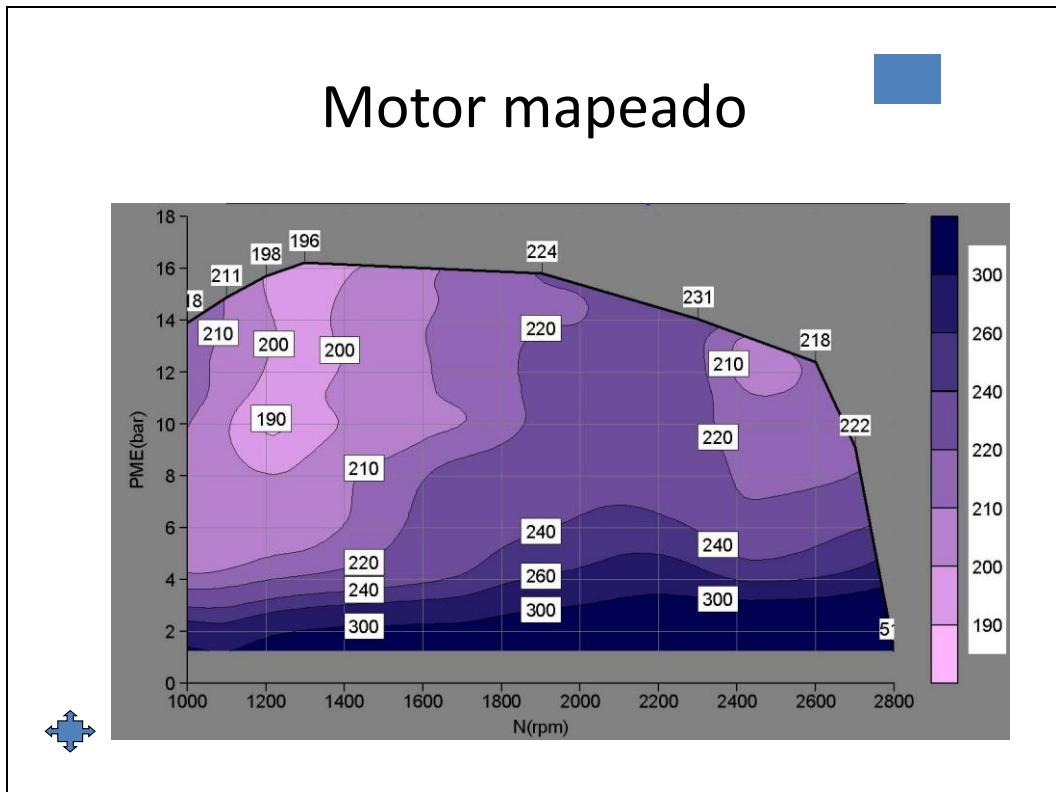
FIGURE 3.4 Specific fuel consumption of 1.6l engine

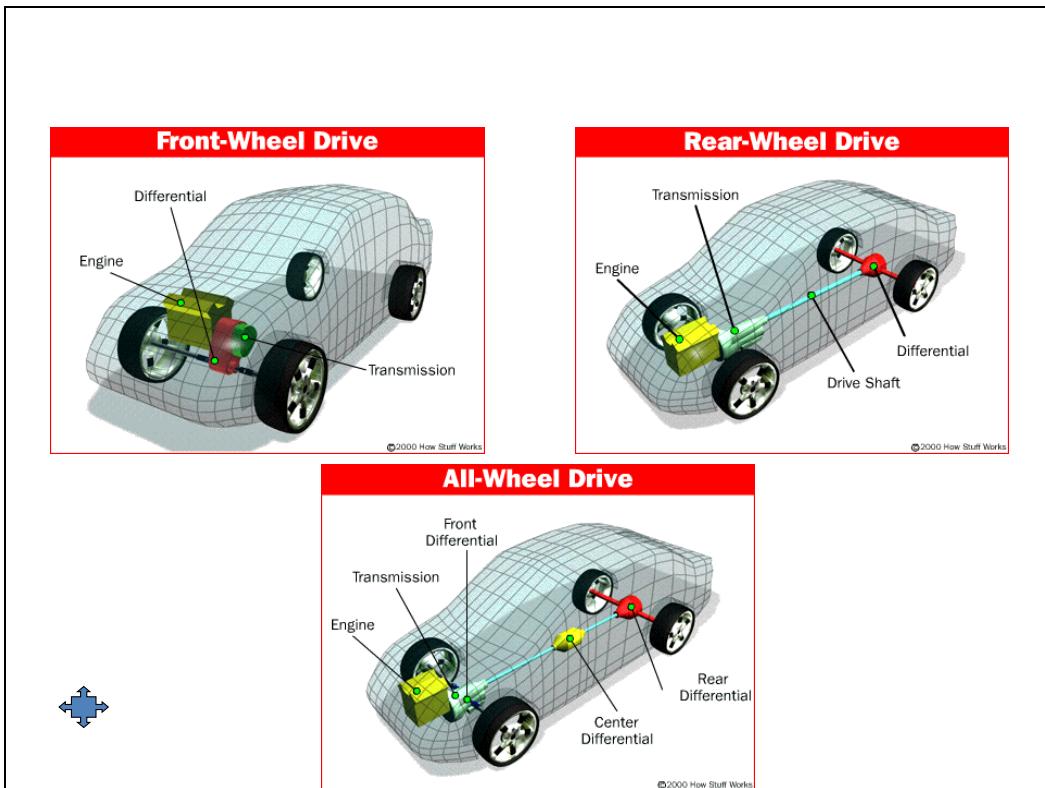
Motor mapeado

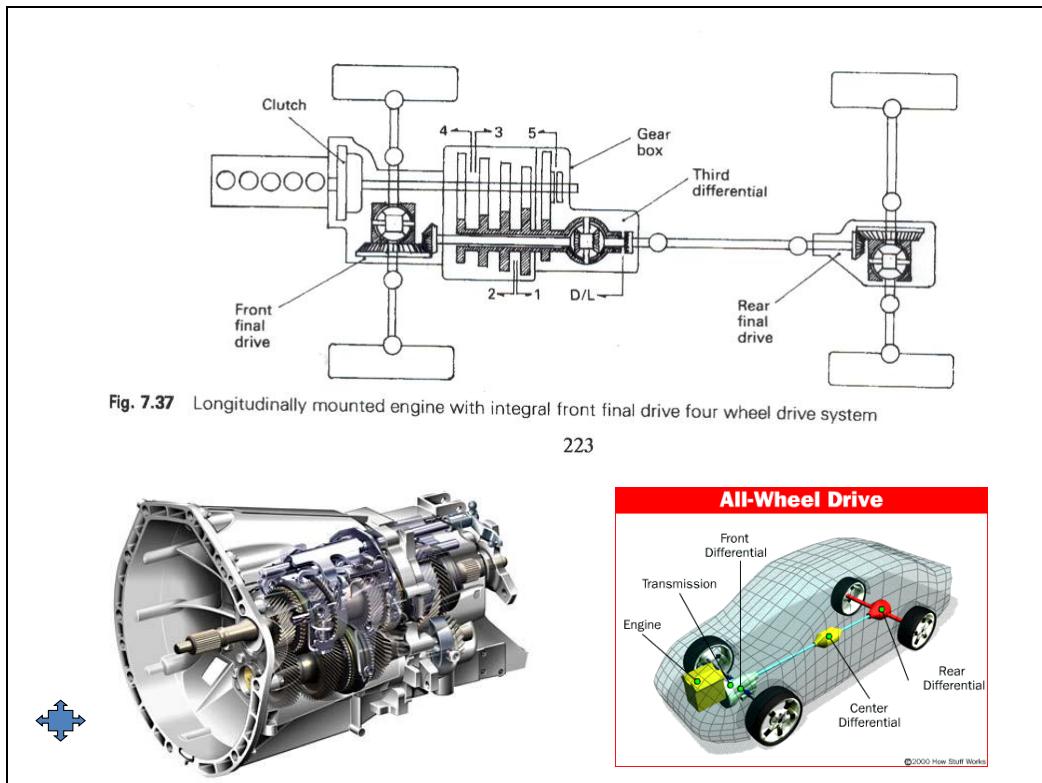


Tração 7

FIGURE 3.5 Characteristics of 1.6l engine





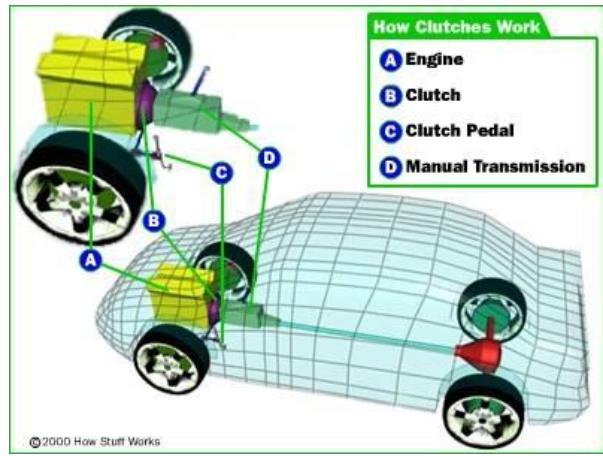


CLUTCH - EMBREAGEM

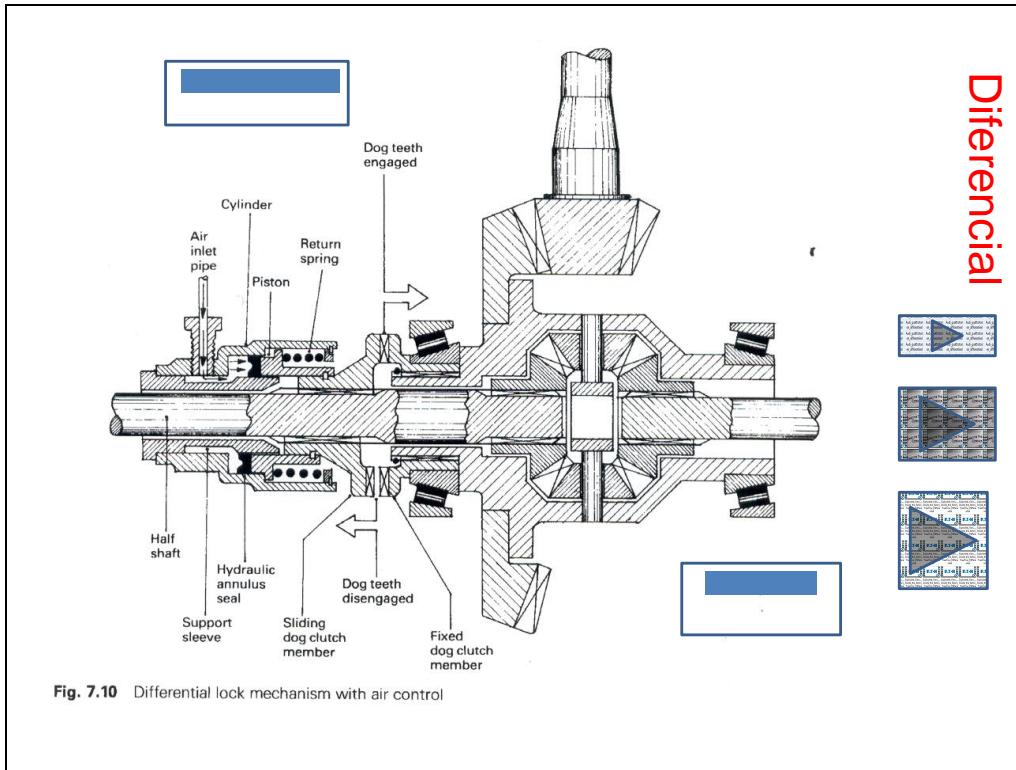
Single clutch

embreagem

Embreagem explodida



Diferencial



Transmissão 4 x 4

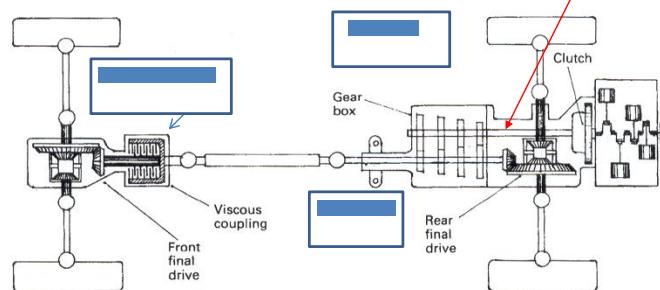
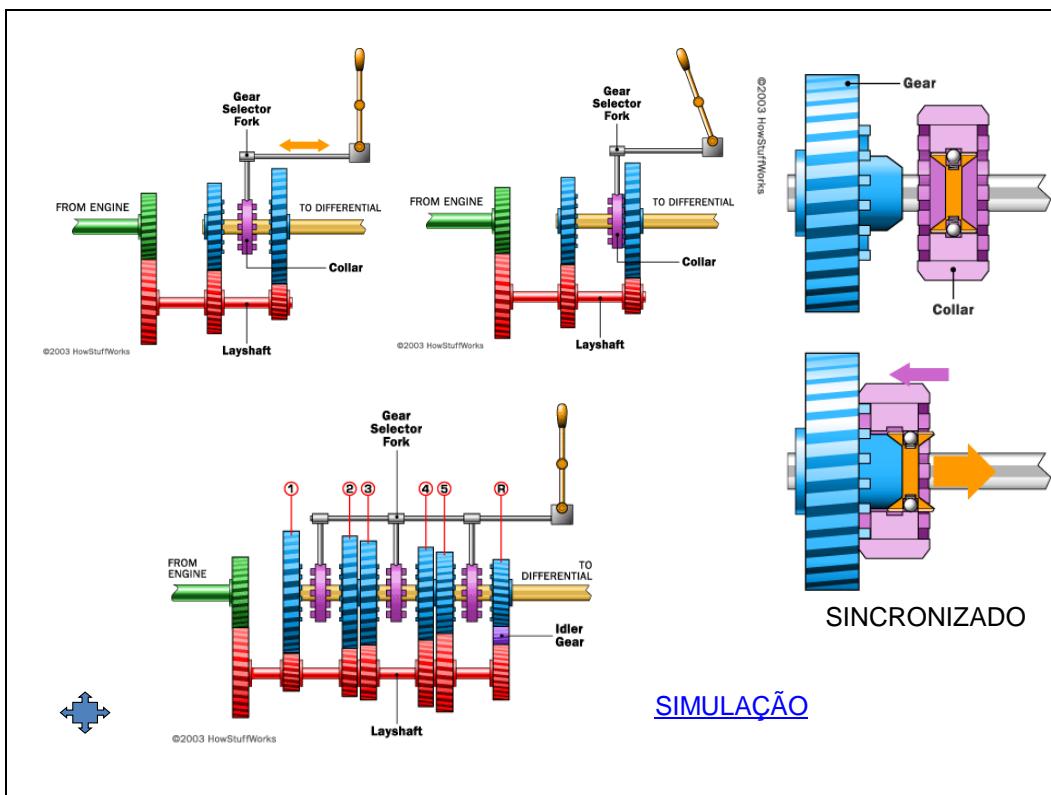


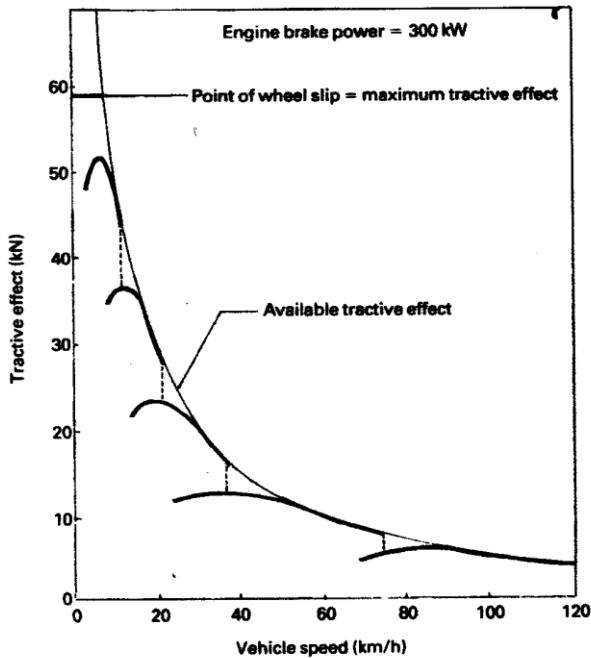
Fig. 7.40 Rear mounted engine four wheel drive system

Tração 8

Slide 15



Curva tangente exponencial



Tração 10

Diagrama dente de serra

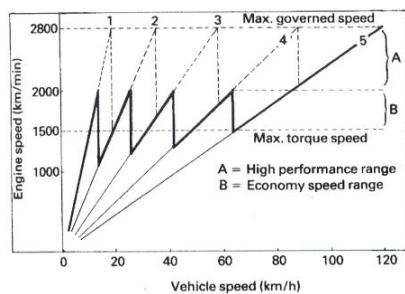


Fig. 3.17 Engine speed ratio chart for a vehicle employing a five speed gearbox

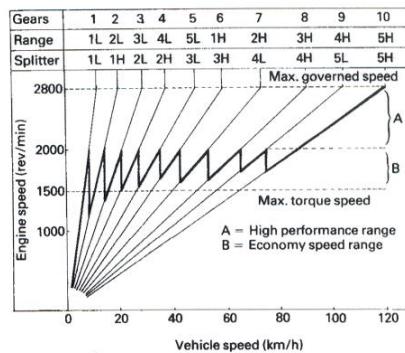


Fig. 3.18 Engine speed ratio chart for a vehicle employing either a ten speed range change or a splitter change gearbox

Tração 11

Diagrama dente de serra com faixa econômica e faixa de alto torque
Otimização da transmissão

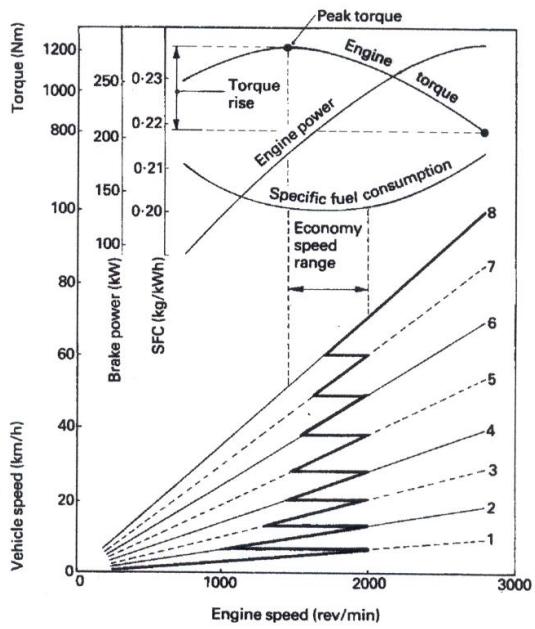
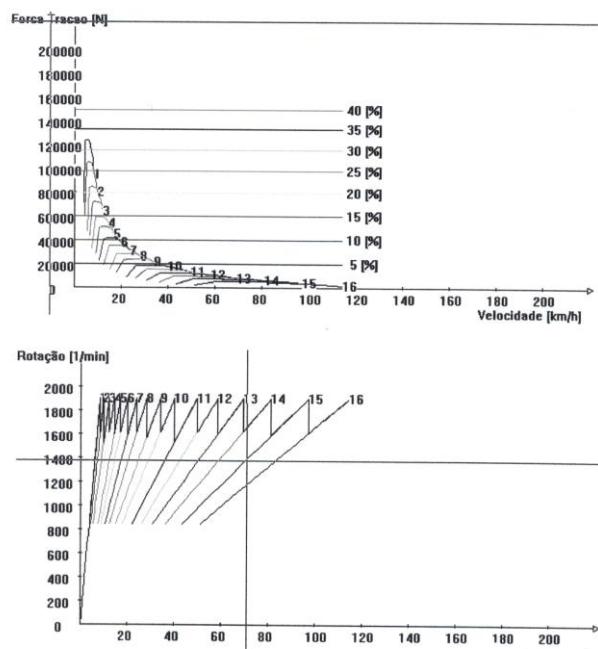


Fig. 3.2 Engine performance and gear split chart for an eight speed gearbox

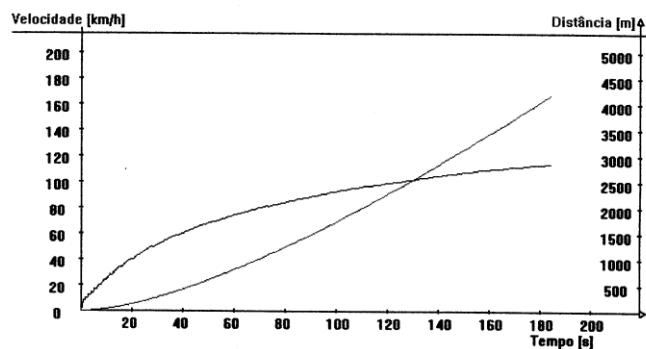
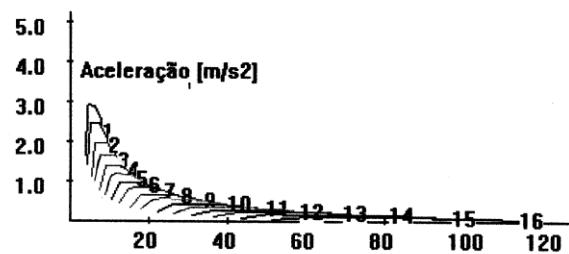
Tração 12

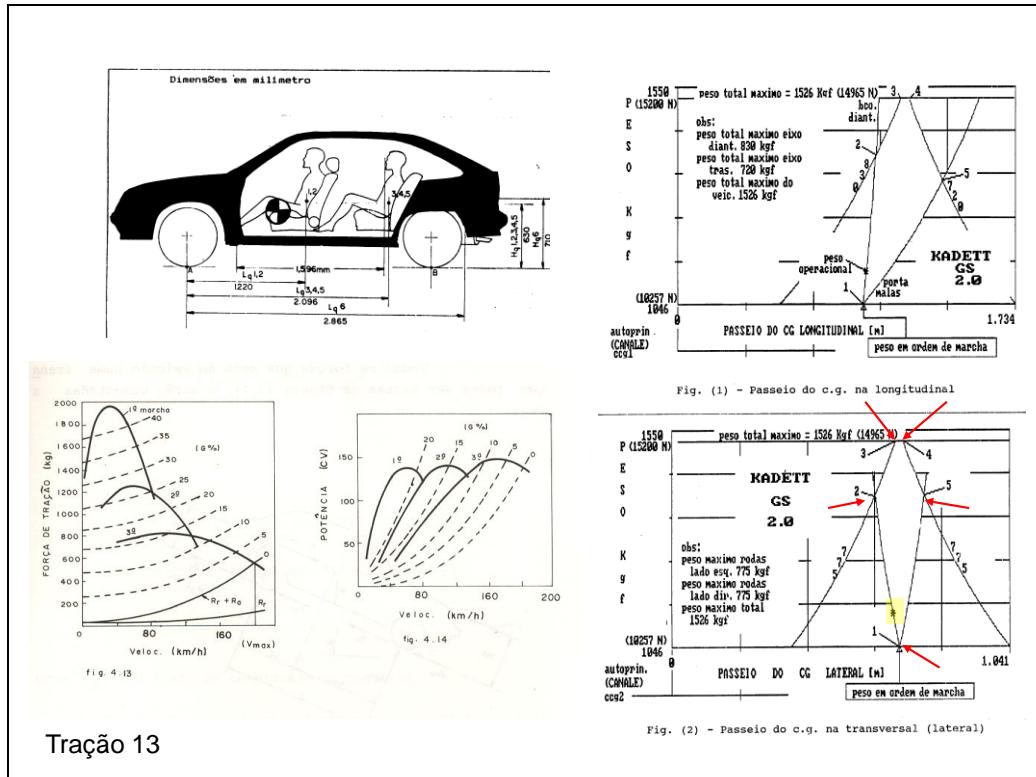
Advance vehicle technology - Heinz Heisler

Câmbio
de 16
marchas



Câmbio de 16 marchas



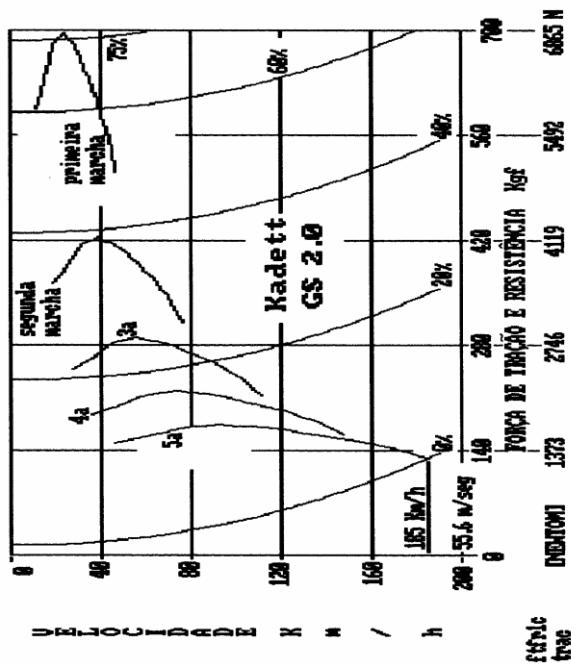


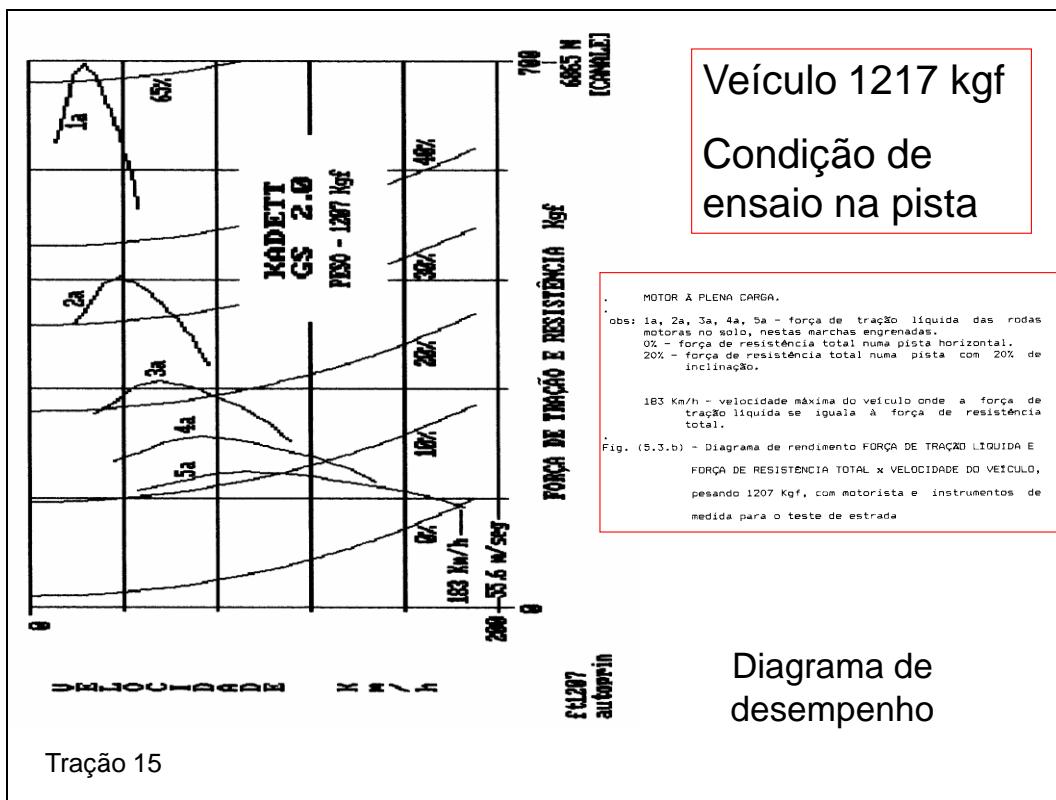
Veículo vazio

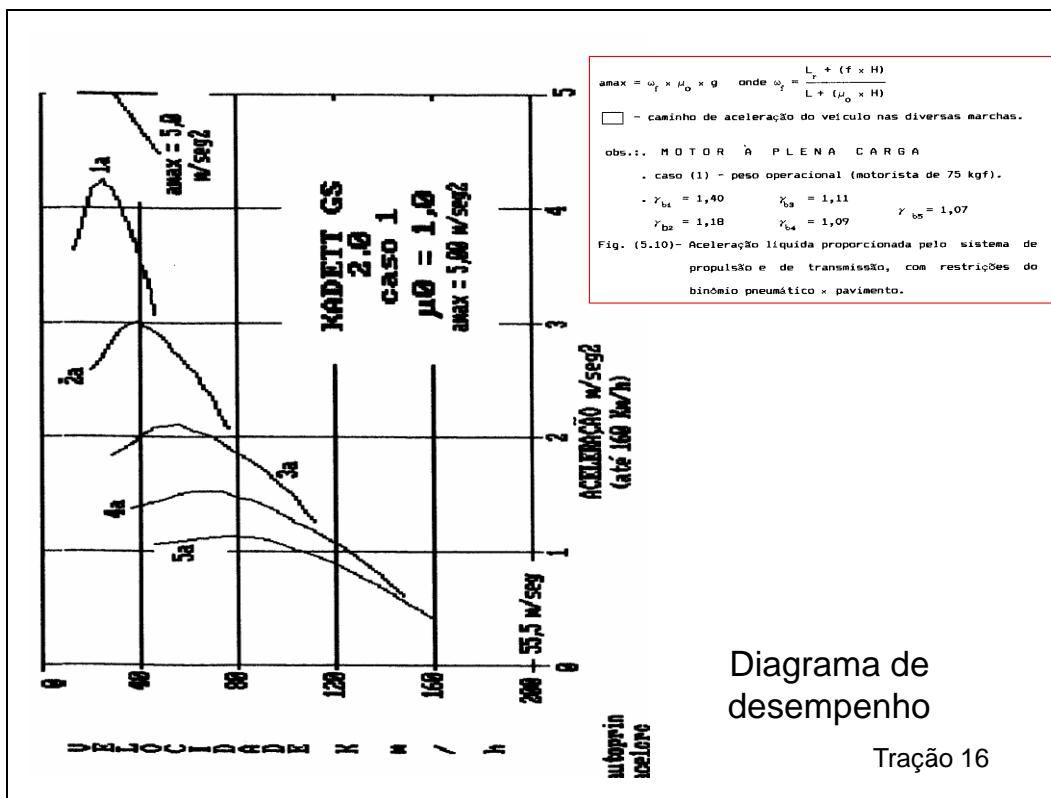
Caso 1

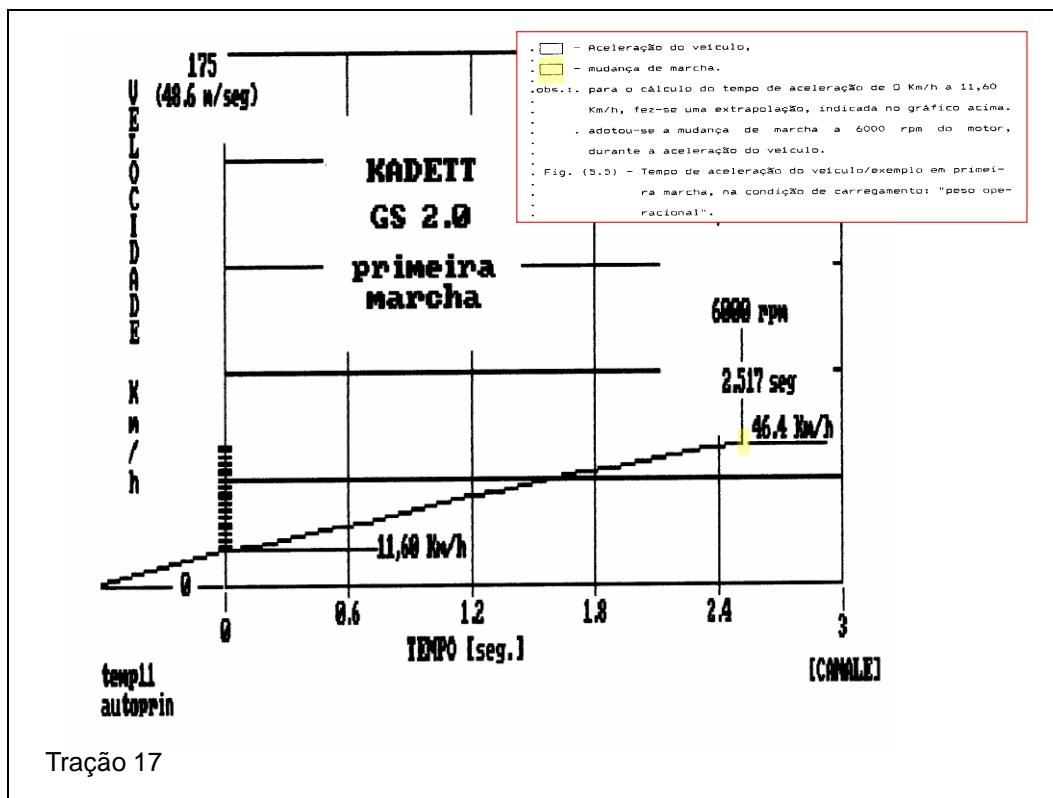
Diagrama de desempenho

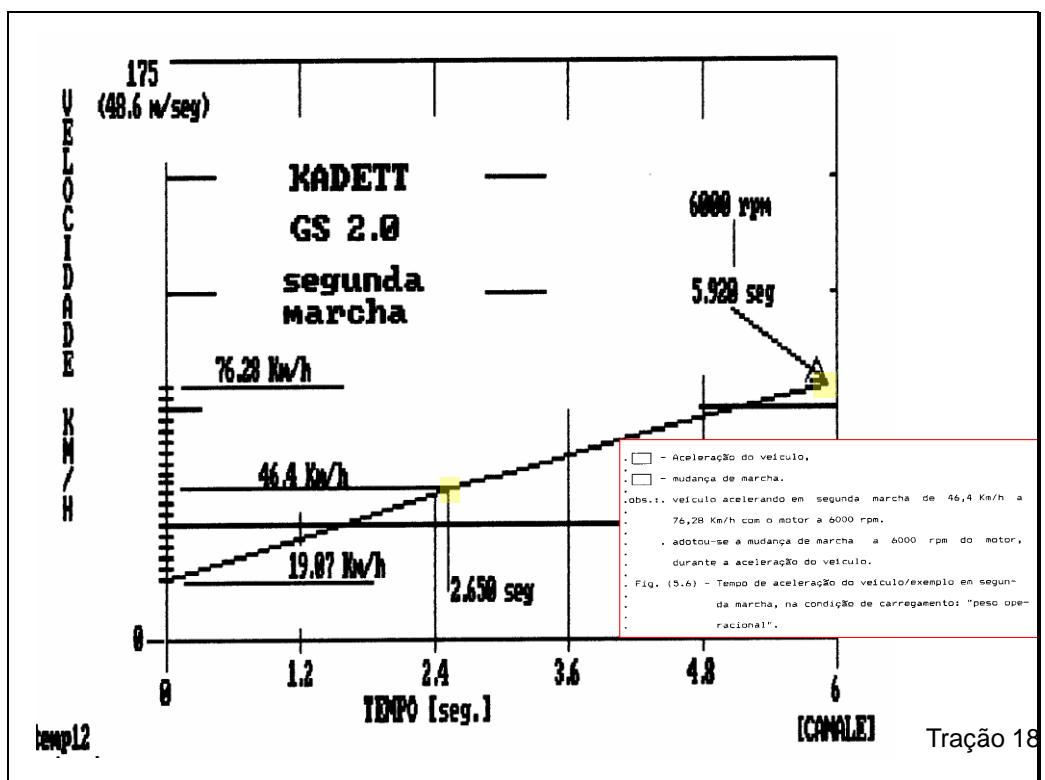
Tração 14

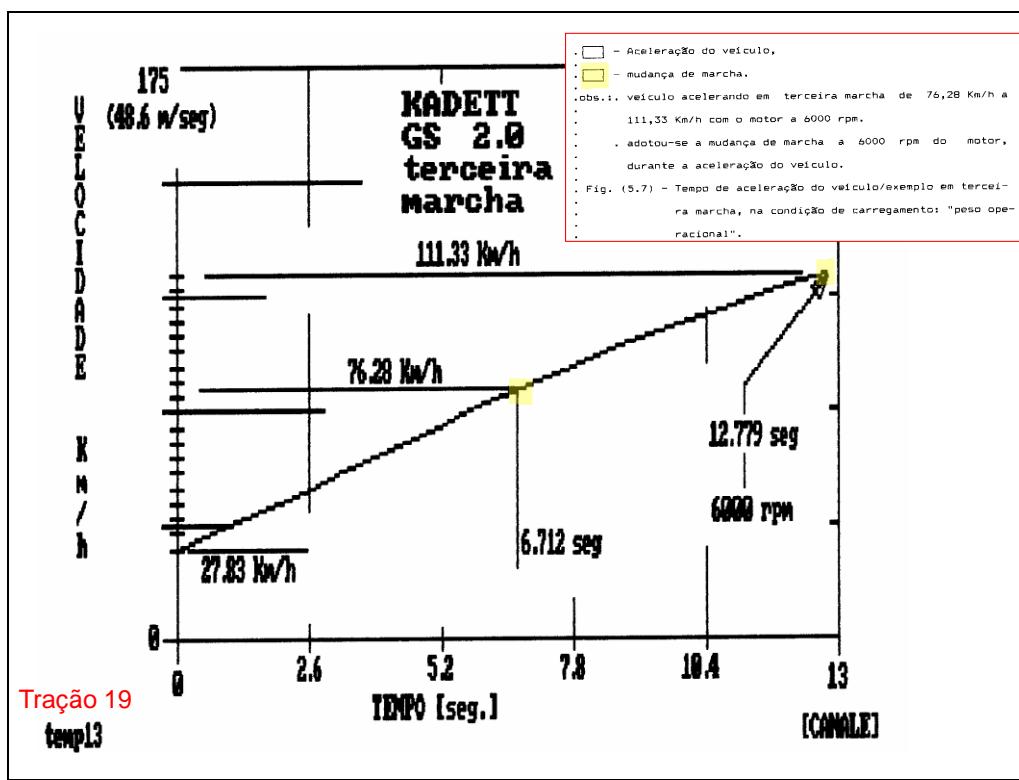


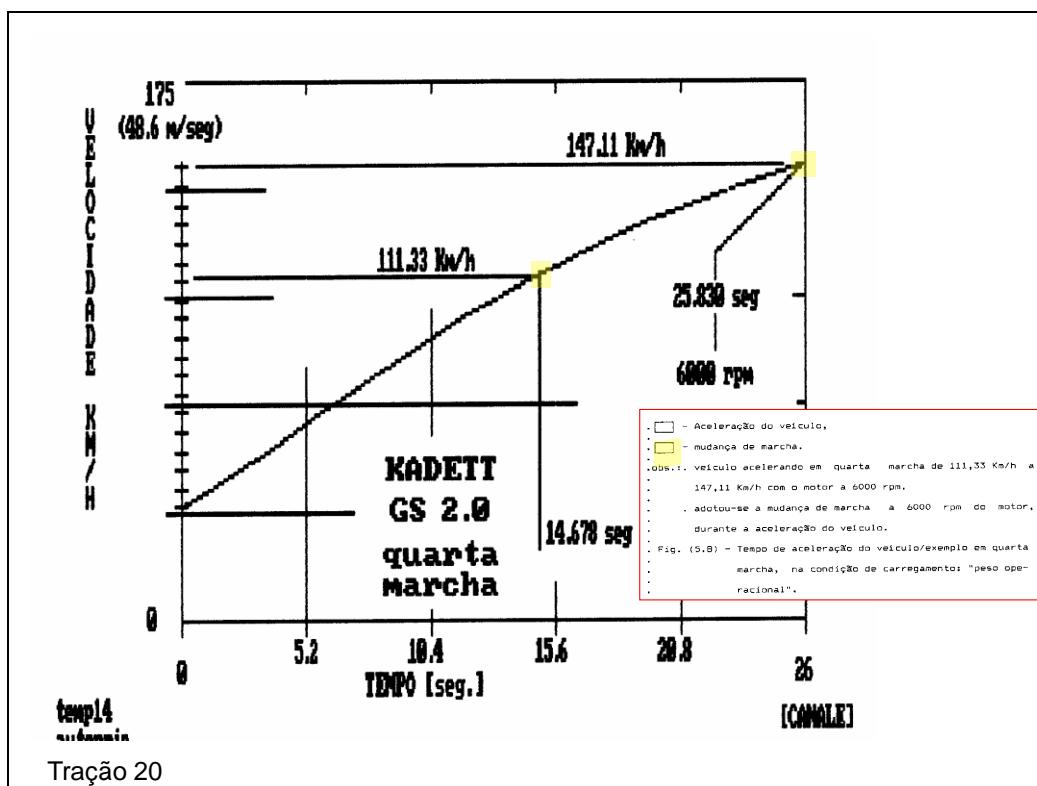


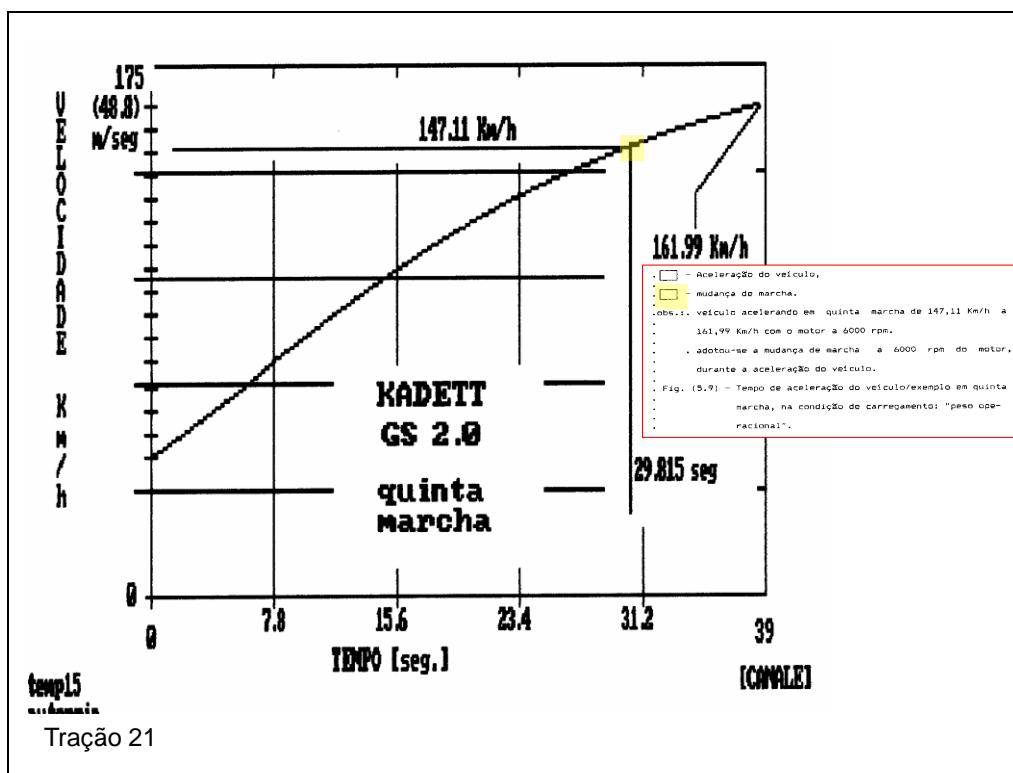


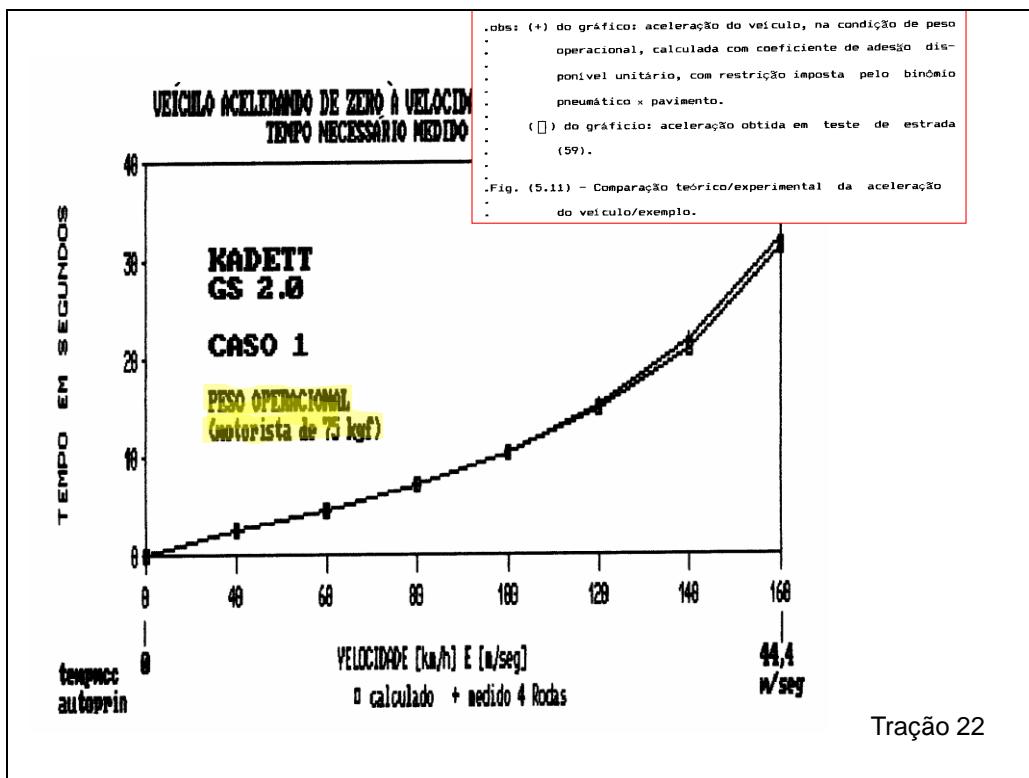


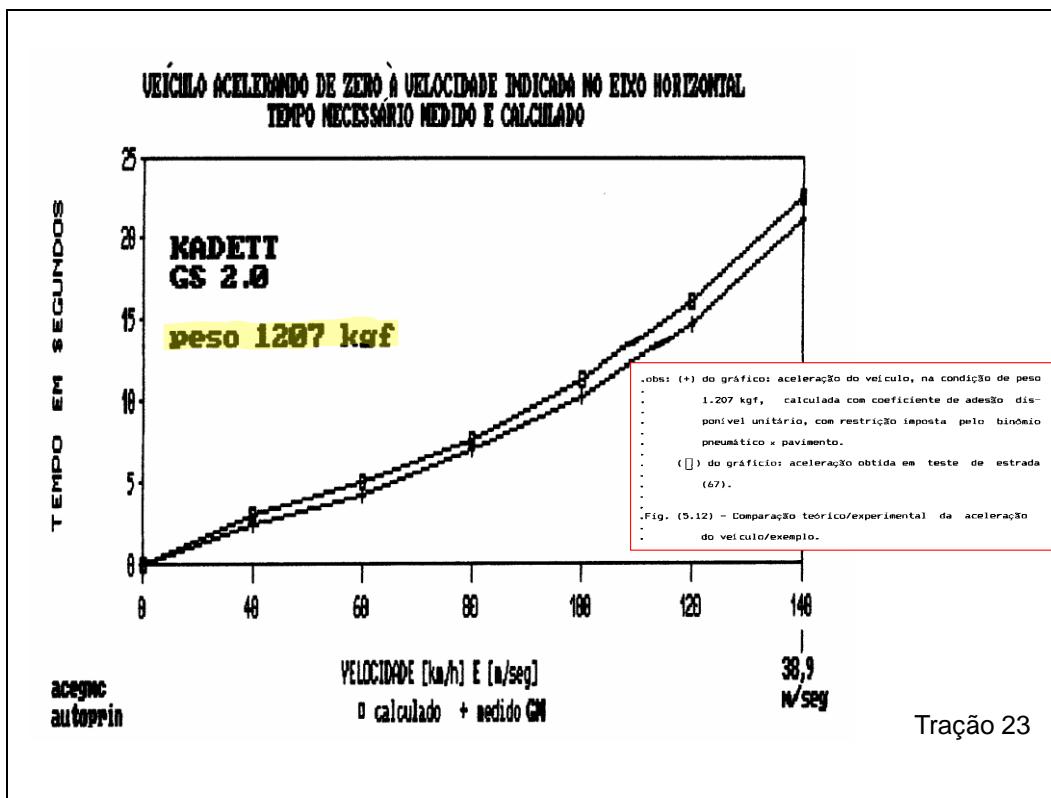


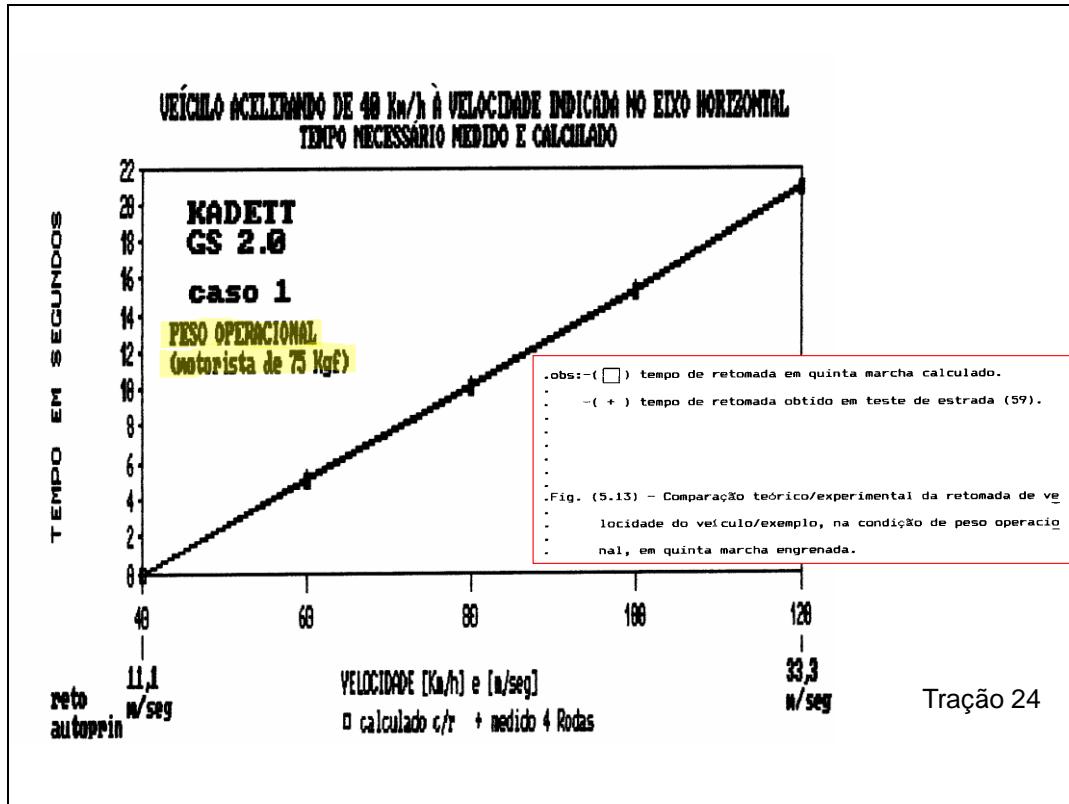


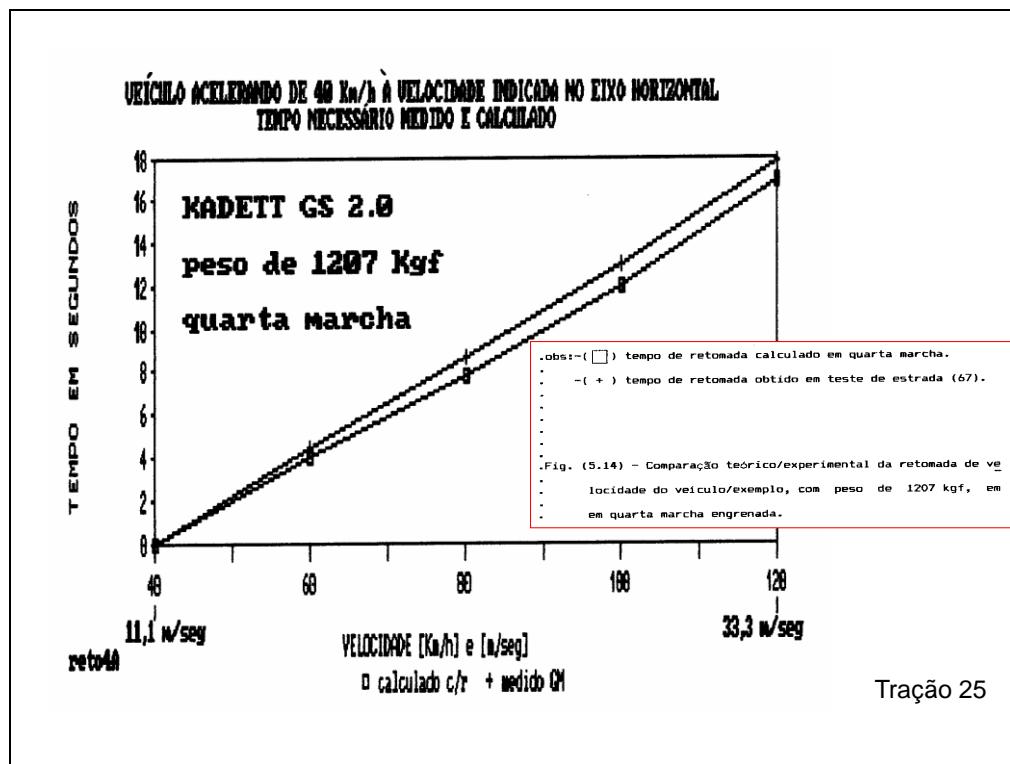


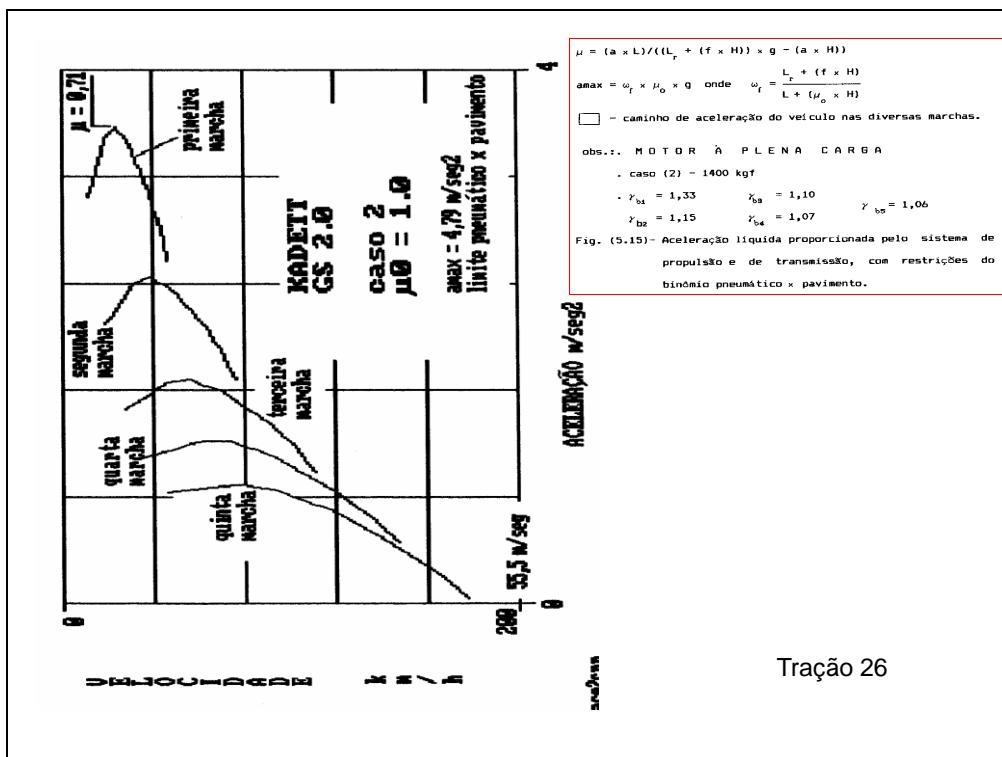












Tração 26

