



# Representações Brasil

## FAC-SIMILE

**PARA/TO:** CHAMPION S. A.  
**ATN/ATTN:** Sr. Hugo Goggi - Tech. Director  
**DE/FROM:** Jörn-Peter Dieckman  
**DATA/DATE:** 22/12/00  
**ASSUNTO/SUBJECT:** MILITEC-1®

(Translation by Shaul Epelbaum)

Dear Gentlemen:

It was our great pleasure talking with you last week. By request of Mr. Giordani, we are pleased to share with you our experience with MILITEC-1 applied to the bus market.

To date, we have approximately 40 clients in this field; all of them with fleets not less than 100 units, of which some of them are using MILITEC-1 for nearly three years. All, with no exceptions, are satisfied with the results and benefits obtained from the product. Some urban bus firms have reported a cost/ benefit result of up to 1:6. These gains arise mainly from the reduction of friction wear of mechanical parts. For instance, motors that normally last 380,000 kilometers (237,500 miles) (urban vehicles), today they are doubling their useful life and we do not know yet if some will not pass it and triple it. We found engines with 371,000 kilometers, in which the original interior metal burnishing can be seen. In other words, life expectancy of these motors can be just about 1,000,000 kilometers (625,000) miles, or three times normal life. We are finding the same positive results in gearboxes, differentials, bearings, etc.

We can also include visible reduction of lubrication consumption, durability and effectiveness (some companies extended oil change intervals from 10,000 to 20,000 kilometers) and, depending on the driver, a savings in fuel (in some cases 3 - 7%).

We likewise experienced a significant reduction in pollutant emissions from vehicles treated with MILITEC-1.

The units treated with our product gain power, operate smoother and with lower temperatures. They are also protected in case of deficient lubrication (including extreme cases of contamination or oil loss).

Mechanics love how clean the parts are when working on buses treated with MILITEC-1, because the product does not permit carbon to adhere to the metal, which normally they can clean only by working hard and using chemicals and steel brushes. We saw parts like pistons and cylinders totally clean and polished, without scratches or other signs of wear.

All benefits described here are real and proven by experiences, transmitted by users and confirmed by dynamometer test in DIVESA, the major dealer for Mercedes Benz in Brasil.

Muy atentamente,

Jörn-Peter Dieckmann  
Director