



## Gough Gough & Hamer Ltd

### Fuel Consumption Test Using Cleanburn Fuel Treatment

GOUGH GOUGH & HAMER LTD

A Performance Analysis Report (PAR) was carried out by Gough Gough & Hamer Ltd on a truck owned by FiveStar Distribution Ltd, (Hookers).

Vehicle Year and Make: 2000 Western Star

Model: ISM 452

Odometer Reading: 185,515 km at 14/2/2002

Odometer Reading: 247,811 km at 18/7/2002

Gough, Gough and Hamer Ltd carried out a base test on a dynamometer on the 14/2/2002. The aim of the test was to establish fuel consumption figures by measuring the horsepower at the wheel. Three different runs were made at different RPM speeds. This was done to give greater consistency for an overall conclusion.

Cleanburn Fuel Treatment was then consistently added to the fuel, the truck was using at a ratio of 1:200 litres over a 5-month period.

On the 18/7/2002 the truck under went the exact test on the dynamometer at Gough, Gough and Hamer Ltd as was done 5 months previously.

#### RESULTS: TEST 1

RPM	1790	1700	1600	1400
HP at Wheel				
Run 1	276	344	352	356
Run 2	279	344	355	365
Run 3	275	341	352	353
Average HP	276.6	343	353	355

Total Average HP at Wheel Measured: 331.9



RESULTS: TEST 2

RPM	1790	1700	1600	1400
HP at Wheel				
Run 1	354	355	360	348
Run 2	354	359	361	349
Run 3	356	363	363	352
Average HP	354.6	359	361.3	349.6

Total Average HP at Wheel Measured: #56.1

The two tests show an increase in HP at the wheel of 7.3%

The average fuel rate (GPH) for Test 1: 18.9

The average fuel rate (GPH) for Test 2: 19.0