

# ***REFER BOOK***

***GOLDEN FAME - Reference***  
Golden Fame Holding Limited

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# HONG KONG:

## Golden Fame Holding Limited

Date	Institute/Company	Test		Results		Attached Documentation
		Labor.	Road	Gas emis reduction	Consump Reduc	
11/2005	Hong Kong Golden Fame Holding Lim.		x		20%	Report



金信集團有限公司

GOLDEN FAME HOLDING LIMITED



天盈中國策略有限公司

## SUPERTECH®節油效能測試報告

### 1. 前言

SUPERTECH® 燃料催化器(簡稱SUPERTECH®)可以提升燃油(汽油及柴油)的燃燒效率,從而達到節省耗油量達 10%至 15%的效果。是次測試是由本公司(天盈中國策略有限公司)及金信船務有限公司合作完成。測試的目的是比較車輛在使用SUPERTECH®前及後的耗油表現。

要準確測試車輛的耗油數據是有一定的複雜性,因為日常行車的耗油量是直接受到各樣不穩定因素所影響,最普遍是車輛的載重,行駛路線及不同的路面情況,如交通擠塞;其它因素還有天氣,風阻,駕駛者習慣,使用空調,使用尾板或吊機,輪胎氣壓等等。這些都將會導致耗油量飄忽不定,難以確定車輛的實際耗油表現。(根據歐洲的報告,以上因素可使車輛的耗油量大幅增加 30%)

故此,要準確測試車輛的耗油數據,首要是儘量消除各樣不穩定因素,再通過路面測試,從而取得實際而有說服力的耗油數據因素。

### 2. 測試車輛

測試車輛為 3 台 38 噸,相同型號的 Hino 拖頭(不連拖架)。  
車牌為: HF2711、HD8382、HF3693  
出廠年份為 1996 年。此 3 台拖頭的油缸容量均為 300L。

SUPERTECH® 將會安裝於HF2711 的油缸內;HD8382 及HF3693 作監控實驗,以反映車輛的不穩定因素。

### 3. SUPERTECH®

是次測試所使用的SUPERTECH® 型號為 D,適用於 350L 以下油缸。  
SUPERTECH® 的生產編號為 2003015945。

#### 4. 測試流程

- 1) 測試前 3 天更換換引擎潤滑油及風格。
- 2) 測試日期：14/08/2005 (星期日)
- 3) 測試車輛以新界洪水橋一所規殼 (Shell) 油站為路試的起點及終點。
- 4) 測試當日，3 台車輛於上午 9 時於該油站預備，入滿油(先注入 4/5 油量，然後把加油槍取出，待 2 分鐘後再加油至滿)，並以一精密的油尺量度滿油的高度。
- 5) 車輛沿特定路線行車；車輛行駛時相隔約 25 米，以減低風阻帶來的影響。
- 6) 特定路線全程約 86km，如下：  
洪水橋油站 > 青山公路元朗段 > 新田公路 > 粉嶺公路 > 吐露港公路 > 大埔公路 > 金山郊野公園 > 呈祥道 > 葵涌道 > 荃灣路 > 屯門公路 > 洪水橋油站
- 7) 測試車輛沿以上路線繞圈 3 次，總哩數為 258 km。
- 8) 於洪水橋油站後再入油至滿，並以油尺量度滿油的高度。滿油的高度需跟之前一致，以減少入油量的誤差值。
- 9) 安裝SUPERTECH® 於HF2711 的油缸內。
- 10) 休息一小時，再重複於特定路線繞圈 3 次，總哩數均為 258 km。
- 11) 於洪水橋油站後再入油至滿，並以油尺量度滿油的高度。從數據去了解SUPERTECH®是否令耗油量減少。

#### 5. 測試結果

車輛 (車牌)	1-3 圈入油量(L)	4-6 圈入油量(L)	耗油變動
[REDACTED]	[REDACTED]	[REDACTED]	-11.86%
HD8382	51.88	56.24	+8.40%
HF3693	57.48	62.28	+8.35%

#### 6. 結論

[REDACTED]

[REDACTED]

# TOURIEL TEST WITH 3



# Road Test Report

## 1. Preamble

SUPERTECH® is a device for enhancing combustion of fuel so as to save energy. This test was conducting by **Skymart Strategy China Limited and Golden Fame Shipping Limited**. We both expected to gain 10% or more saving on fuel consumption.

We considered the complicated test procedure and customer insisted on finishing the test in one day. So we adopted the road test protocol advised by Chinese University of Hong Kong.

## 2. Tested vehicle

Vehicle : 3 HINO Tractor (38 tons)

Registered number: HF2711 □ HD8382 □ HF3693

Manufacturing year: All vehicles were same as 1996.

Fuel tank: 300 liters

HF2711 was testing unit with SUPERTECH and the others (HD8382 and HF3693) were control units without SUPERTECH.

## 3. Device

New SUPERTECH® Model D with serial number 2003015945.

## 4. The Test Procedure

- 1) Tested date: 14 Aug 2005.
- 2) All vehicles were refilled new lubricant and air filter before 3 days of test.
- 3) The starting point and ending point was same Petrol Station.
- 4) We first filled 4/5 of fuel tank. And then refill to full tank after 2 minutes so as to eliminate the bubble effect.
- 5) The route from starting point to ending point was 86km.
- 6) The test was driving 3 rounds of the route. It was total 258km
- 7) First 3 rounds were without SUPERTECH and the last 3 rounds with SUPERTECH.
- 8) First 3 rounds of test were starting at 09:00 and the last 3 rounds of test was start at 14:00.

- 9) The average speed was 80km/h.
- 10) Installing SUPERTECH for car HF2711.
- 11) Finished the test.

## 5. Test Data

Car	Fuel 1 <sup>st</sup> 3 round	Fuel 2 <sup>nd</sup> 3 round	Improvement
HF2711	66.64	58.74	<b>-11.86%</b>
HD8382	51.88	56.24	<b>+8.40%</b>
HF3693	57.48	62.28	<b>+8.35%</b>

## 6. Conclusion

The result showed that HF2711 with SUPERTECH gained 11.86% fuel saving whereas HD8382 and HF3693 without SUPERTECH showed 8.4% and 8.35% more consumption respectively. The result showed that the condition of the tested vehicle occurred running down after long running. However, tester felt satisfaction of the result.



