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# Application report – 23/Japan

## REWITEC® Truck Test on 6 Diesel Vehicles

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Date of report:	2016/07/01
Sector:	Automotive
Client/Partner:	JAPAN TOTAL SERVICE Kanagawa Japan
Contractor:	Techniq Group Corporation Michael Krumm 224 Orimoto-cho, Tsuzuki-ku Yokohama-city, Kanakawa 224-0043 Japan
Responsible:	Michael Krumm (Techniq Group Corp.)
Date of application:	2015/12 and 2016/02
Location:	Japan
Vehicle type:	Numerous Trucks
Project Task:	Application with REWITEC® PowerShot® for engine protection, decrease of fuel consumption and increase of horse power. In addition the gearboxes where as well treated with G5 and one differential.



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**1.Company:** JAPAN TOTAL SERVICE (Kanagawa, JAPAN)  
Transportation company that operates 70 vehicles in total

**1.1Test:** Fuel consumption test over 3 months with selected 6 Diesel vehicle Engine and Gearboxes were treated with REWITEC. (one front diff also)





**2. Fuel consumption data are the average taken from December 2015 - February 2016 before the REWITEC Treatment in order to make a comparison. After the REWITEC treatment the vehicles were in use for another 3 months, then data were taken**

Vehicle	4t Refrigerated Truck 5.19 Liter	4t Refrigerated Truck 5.19 Liter	2t Long Truck 2.99 Liter	2t Short Truck 2.99 Liter	1t Route Van (Hiace) 2.98 Liter	1t Route Van (Hiace) 2.98 Liter
Year	2015 Feb	2014 Aug	2008 Dec	2014 Feb	2012 May	2012 Jul
Mileage before REWITEC Treatment	75.209 km	85.558 km	195.148 km	110.366 km	163.484 km	281.679 km
Average Monthly Mileage	5.477 km	4.133 km	1.794 km	4.519 km	4.832 km	5.763 km
Fuel Consumption JAPAN	5.13 km/Liter	4.9 km/Liter	6.3 km/Liter	9.1 km/Liter	10.5 km/Liter	9.1 km/Liter
Fuel Consumption Liter/100km	<b>19.49</b>	<b>20.41</b>	<b>15.87</b>	<b>10.99</b>	<b>9.52</b>	<b>10.99</b>
<b>REWITEC Applied Date</b>	<b>20/03/2016</b>	<b>19/03/2016</b>	<b>20/03/2016</b>	<b>20/03/2016</b>	<b>17/03/2016</b>	<b>16/03/2016</b>
Product Type Used	PS L x 1 PS M x 1 G5 x 2	PS L x 1 PS M x 1 G5 x 2	PS L x 1 G5 x 2	PS L x 1 G5 x 2	PS L x 1 G5 x 2	PS L x 1 G5 x 3
Mileage driven over 3 month	18.107 km	13.938 km	4.440 km	12.677 km	6.393 km	12.270 km
Fuel used over 3 month	3.532 liter	2.738 liter	649,21 liter	1.287,02 liter	583,88 liter	1.277,30 liter
Fuel Consumption over 3 month after REWITEC Treatment JAPAN	5.13 km/Liter	5.09 km/Liter	6.84 km/Liter	9.85 km/Liter	10.95 km/Liter	9.61 km/Liter
Fuel Consumption after REWITEC Treatment Liter/100km	<b>19.49</b>	<b>19.65</b>	<b>14.62</b>	<b>10.15</b>	<b>9.13</b>	<b>10.41</b>
Fuel Consumption Improvement %	<b>0%</b>	<b>3.87%</b>	<b>8.55%</b>	<b>8.28%</b>	<b>4.27%</b>	<b>5.57%</b>



### 3.IMPORTANT NOTICE:

The test period from March to June was significantly warmer in ambient temperature compared to the months before. Not only did the drivers use the air condition over this period, but the 2 refrigerated trucks also used the air condition for the cool wagons behind them, all powered by the engine.

It is also important to notice that this test was conducted “blind”, meaning that the drivers had no knowledge that REWITEC was applied. This was done in order to avoid any conscious fuel economy driving.

Even so an average fuel consumption gain of **5.09%** could be gained on those 6 ve