**Total FE Lubricants**

Fuel saving lubricants for heavy duty vehicles

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**FIELD-PROVEN**

**FUEL ECONOMY**

Savings of up to 3% as much as $3,200 per truck, per year

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**Fuel economy**

<table>
<thead>
<tr>
<th>Distance travelled per year (km)</th>
<th>300,000 km</th>
</tr>
</thead>
<tbody>
<tr>
<td>Typical consumption per vehicle (litres/100 km)</td>
<td>43 litres/100 km</td>
</tr>
<tr>
<td>Oil sump capacity (litres)</td>
<td>40 litres</td>
</tr>
<tr>
<td>Typical interval between oil changes</td>
<td>60,000 km</td>
</tr>
<tr>
<td>Suggested interval High Quality Mineral SAE 15W-40 oil</td>
<td>60,000 km</td>
</tr>
<tr>
<td>Approximate price difference of oil</td>
<td>$1.00 per litre</td>
</tr>
<tr>
<td>Number of oil changes per year</td>
<td>3.3</td>
</tr>
<tr>
<td>Price of diesel fuel</td>
<td>$1.30 per litre</td>
</tr>
<tr>
<td>Current fuel price</td>
<td>$1.11/litre</td>
</tr>
<tr>
<td>Fuel economy</td>
<td>$2.316.60</td>
</tr>
<tr>
<td>Differential cost of oil</td>
<td>$133.33</td>
</tr>
<tr>
<td>Annual savings per truck, per year</td>
<td>$2,773.47</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>YOUR FLEET</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 Trucks = $371,547.97 per year</td>
</tr>
<tr>
<td>500 Trucks = $1,386,733.33 per year</td>
</tr>
</tbody>
</table>

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**EXAMPLE (2.6%)**

- **YOUR FLEET**
  - Distance travelled per year: 200,000 km
  - 100 trucks = $277,347.67 per year
  - 500 trucks = $1,386,733.33 per year

**Typical consumption per vehicle**

- 43 litres / 100 km

**Oil sump capacity**

- 40 litres

**Typical interval between oil changes**

- 60,000 km

**Suggested interval High Quality Mineral SAE 15W-40 oil**

- 60,000 km

**Approximate price difference of oil**

- $1.00 per litre

**Number of oil changes per year**

- 3.3

**Price of diesel fuel**

- $1.30 per litre

**Current fuel price**

- $1.11/litre

**Fuel economy**

- $2,316.60

**Differential cost of oil**

- $133.33

**Annual savings per truck, per year**

- $2,773.47

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**Total Canada Inc.**

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NOTE: Results may vary depending on a number of factors, notably: current fuel price, road type, driving conditions, tire air pressure, load, temperature, etc.
**TOTAL FE Product Range**

**High-performance fuel saving lubricants**

**PROFIT, PERFORMANCE, PROTECTION, POWER.**

TOTAL FE lubricants are a welcome solution for fleet owners looking to save—reducing operating costs without compromising engine protection, performance or power. Total is committed to providing savings to the fleet and trucking industry linked to the development of three major innovation-reducing products. Through use of Rubia TIR 7900 FE 10W-30 engine oil alone will reduce fuel consumption, use of TOTAL FE and sale lubricants will further maximize your savings.

Our FE line offers you cutting-edge Fuel Economy technology based on extensive R&D. After obtaining excellent results from the best European laboratories, tests were initiated in North America. Two prestigious US lies conducted fleet and controlled environment tests including dynamometric and benchmarking analyses to compare TOTAL FE product performance with that of standard lubricants. Results obtained in North America confirm the effectiveness of TOTAL’s advanced Fuel Economy technology. TOTAL FE oils can save you up to 2% in fuel costs while reducing vehicle downtime.

Using TOTAL FE lubricants throughout your entire fleet has major advantages and can:

- **Reduce operating and maintenance costs**
- **Extend useful life of equipment**
- **Reduce operating and maintenance costs**
- **Improve vehicle performance**

Rubia, plus not only does a cleaner, smoother running engine translate into cost savings—which is good for business—it also helps reduce carbon dioxide emissions—which is good for the environment.

**BENEFITS / ADVANTAGES**

- **Significant fuel savings**
- **Excellent engine protection**
- **High detergent level and excellent soot dispersion**
- **Fuel saver lubricant**

- **Reduce carbon dioxide emissions—which is good for the environment.**
- **Plus, not only does a cleaner, smoother running engine translate into cost savings—which is good for business—it also helps extend the useful life of equipment and reduce operating and maintenance costs.**

**RUBIA TIR 7900 FE 10W-30**

First-quality semi-synthetic engine oil, class API CJ-4

Rubia TIR 7900 FE 10W-30 is derived from Total FE technology. Its semi-synthetic Low SAPS (Low Sulphated Ash, Phosphorus and Sulphur) conforms to the API CJ-4 standard assures outstanding protection and substantial fuel economy for diesel engines. Given its properties and advanced technology, it is the ideal choice under severe conditions of use: it is recommended diesel engines equipped with post-treatment systems, such as Diesel Particulate Filters (DPF), Gasoline Particulate Filters (GPF) or Diesel Oxidation Catalysts (DOC) for vehicles with a particle filter system. Rubia TIR 7900 FE 10W-30 is derived from Total FE technology. Its low SAPS formula (Low Sulphated Ash, Phosphorus and Sulphur) conforming to the API CJ-4 standard assures outstanding protection and substantial fuel economy for diesel engines. Rubia TIR 7900 FE 10W-30 is derived from Total FE technology. Its semi-synthetic Low SAPS (Low Sulphated Ash, Phosphorus and Sulphur) conforms to the API CJ-4 standard assures outstanding protection and substantial fuel economy for diesel engines. Given its properties and advanced technology, it is the ideal choice under severe conditions of use:

**Total FE Synthetic Lubricants**

**PRODUCTS**

- **APRIL/OCTOBER**
- **BENEFITS / ADVANTAGES**
- **SPECIFICATIONS AND/OR APPROVALS**
- **PACKAGING**

**TRANSMISSION XRD FE 75W-90**

API GL-5 certified synthetic gear and axle lubricant

API GL-5 certified Transmission XRD FE 75W-90, 10W-30 synthetic gear and axle lubricant can withstand extreme pressure while designed for improved fuel economy in heavy, medium and light duty applications. Its high viscosity index and exceptionally low pour point reduce churning losses while providing advanced gear and bearing protection.

This lubricant contains extreme pressure additives, as well as rust, corrosion and oxidation inhibitors to protect gears and bearings operating under a wide variety of load conditions. Performance under high and low temperatures exceeds that of conventional SAE 80W-90, 80W-140, 75W-90 and 80W-140 gear lubricants.

**BENEFITS / ADVANTAGES**

- **Improvement in consumption and performance**
- **Extended oil drain intervals**
- **Gear wear reduction**
- **Extended oil change intervals and all-season lubrication**
- **Reduction of maintenance and downtime**

**TRANSMISSION SYN SAE 50**

Saxon/Meritor approved synthetic gear lubricant

Transmission SYN SAE 50 synthetic lubricant has been especially formulated for extended drain and severe service in heavy-duty manual transmissions which require semi-synthetic gear oil or transmission lubricants. Designed to protect high torque internal transmissions for high-performance engines.

**SPECIFICATIONS AND/OR APPROVALS**

- **API SPEC-2 SAE-50**
- **MEC PS-164**
- **MEC PS-162**
- **SHAES-256 Rev C or SHAES-429**
- **DANA CORP**
- **MIL-PRF-2105E/SAE J2360**
- **ROADRANGER TRANSMISSION PS 164 REV 7**
- **SHAEFS/ITALIAN TRUCK ENVIRONMENTAL**
- **MACK QD-04**
- **MIL-L-2104C 250-441 C OR MIL-L-60929**

**Fuel Economy**

Total FE Technology is a lubricant is designed to meet the current and future needs of the transportation industry. This combination will help you save fuel.