

## Product Data Sheet

### Gear Synth FE

#### Description and Applications

**Saheli Gear Synth FE (Fuel Economy)** is fully synthetic thermally stable axle lubricant designed for improved fuel economy in heavy, medium and light duty commercial vehicles and off-highway equipment operating in most severe and varying load conditions. It is blended from synthetic base fluids and advanced technology additive system to provide unmatched protection for extended durability of driveline components and enhanced fuel efficiency. **Saheli Gear Synth FE**, possessing outstanding load-carrying capability and high viscosity index, provides effective lubrication in applications encountering high-speed/shock load and/or low-speed/high torque conditions and wide temperature ranges. It is approved as Genuine Roadranger lubricants and also exceeds the requirements of ArvinMeritor and other major global OEM/ industry specifications.

#### Features and Benefits

- Superior lubricating properties provide improved fuel economy compared to mineral oil based SAE 80W90 and synthetic 75W90 axle lubricant.
- Unique additive technology provides outstanding load bearing characteristics resulting in longer gear and bearing life and leading to reduced maintenance costs and increased vehicle uptime.
- Effective rust and corrosion protection, especially to copper and its alloys reduces wear, extends synchronizer life and improves shifting performance

#### Applications

**Saheli Gear Synth HD** is exclusively developed for Dana & Eaton Axles and is approved as Genuine Roadranger Lubricant with Fuel Economy capabilities

- Heavy duty on-highway vehicles and off-highway equipment transmissions, transfer cases, axles and final drives where API GL-5, API MT-1, MIL-PRF-2105E or SAE J 2360 quality oils are specified
- It satisfies most of the Limited Slip requirements for North American Heavy Duty equipment manufacturers. In case of any specific or higher Limited Slip requirements, please contact your local Saheli Representative.

**Saheli Gear MP Synth is not recommended for automatic transmissions**

#### Specifications

- **API GL-5, API MT-1, MIL-PRF-2105E, SAE J2360**
- ArvinMeritor 076-N, 076-E, International TMS 6816, Eaton Axle Div PS-109
- Roadranger Genuine Lube DANA SHAES 256 Rev C & 429 Rev A, Mack GO J-Plus

Test Parameters	Test Method	Typical Results
<b>SAE Viscosity Grade</b>	<b>J2360</b>	<b>75W90</b>
Density @ 15°C gm/cm <sup>3</sup>	ASTM D1298	0.887
Viscosity Index	ASTM D2270	152
Viscosity @ 100°C (cSt)	ASTM D 445	15.0
Pour Point °C	ASTM D 97	< -45
Flash Point (COC) °C	ASTM D 92	215

The information contained in this data sheet are indicative and correspond to the date of publication of this document. The above data are based on laboratory tests. It is the reader's interest to ensure whether the most recent version of the data sheet. A safety data sheet is available on request by our sales consultant. For more information, please contact the sales department.

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