

Product Data Sheet

Gear Synth HD

Description and Applications

Saheli Gear Synth HD (Heavy-Duty) series are fully synthetic thermally stable axle lubricants designed to meet the demanding requirements of heavy duty commercial vehicles and off-highway equipment operating in most severe and varying load conditions. These oils are blended from synthetic base fluids and advanced technology additive system to provide unmatched protection for extended durability of driveline components. These oils are approved as Genuine Roadranger lubricants and also exceed the requirements of ArvinMeritor and other major global OEM/ industry specifications.

Features and Benefits

- Unique additive technology outstanding load bearing characteristics resulting in longer gear and bearing life and leading to reduced maintenance costs and increased vehicle uptime.
- Exceptional thermo-oxidative stability helps in keeping the gear clean for longer periods and extending the oil life – significantly longer than conventional gear oils.
- Effective rust and corrosion protection, especially to copper and its alloys reduces wear, extends synchronizer life and improves shifting performance.
- Outstanding low temperature fluidity reduces wear at start up and provides smoother shifting at low ambient temperatures.
- Exceptional shear stability helps in retaining viscosity and film strength to protect against wear even under severe operating conditions.

Applications

Saheli Gear Synth HD is exclusively developed for Dana & Eaton Axles and is approved as Genuine Roadranger Lubricant.

- **SAE 80W140** is specially developed for off-highway and specialized application type vehicles
- 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
- Roadranger Genuine Lube DANA SHAES 256 Rev C, DANA SHAES 429
- Eaton Axle Div PS-037, PS-163
- Mack GO J-Plus, Eaton Axle Div PS-109
- ArvinMeritor 076-B (for SAE 80W140)

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Test Parameters	Test Method	Typical Results	
SAE Viscosity Grade	J2360	75W90	80W140
Density @ 15°C gm/cm3	ASTM D1298	0.891	0.902
Viscosity Index	ASTM D2270	152	146
Viscosity @ 100°C (cSt)	ASTM D 445	16.9	30.6
Pour Point °C	ASTM D 97	< -45	< -40
Flash Point (COC) °C	ASTM D 92	198	160

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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