



Dana Axles - Approved Lubricants

Drive-Trainer Suggests:

Marketer	Product Name
Sunoco	<p>Part #: 85w140 pail</p> <p>Mineral Based: Acceptable lubricants must meet API GL-5/MT-1 or MIL-PRF2105E qualifications. The highest viscosity grade must be used given the prevailing ambient temperatures from the chart below (Fig. 1).</p>
Sunoco	<p>Part #: 80w140 pail</p> <p>Synthetics: Synthetic lubricants are recommended providing they meet API GL-5/MT-1 qualifications. The highest viscosity grade must be used given the prevailing ambient temperatures from the chart below (Fig. 1).</p>

For a complete listing of approved lubricants, please reference the OE's website

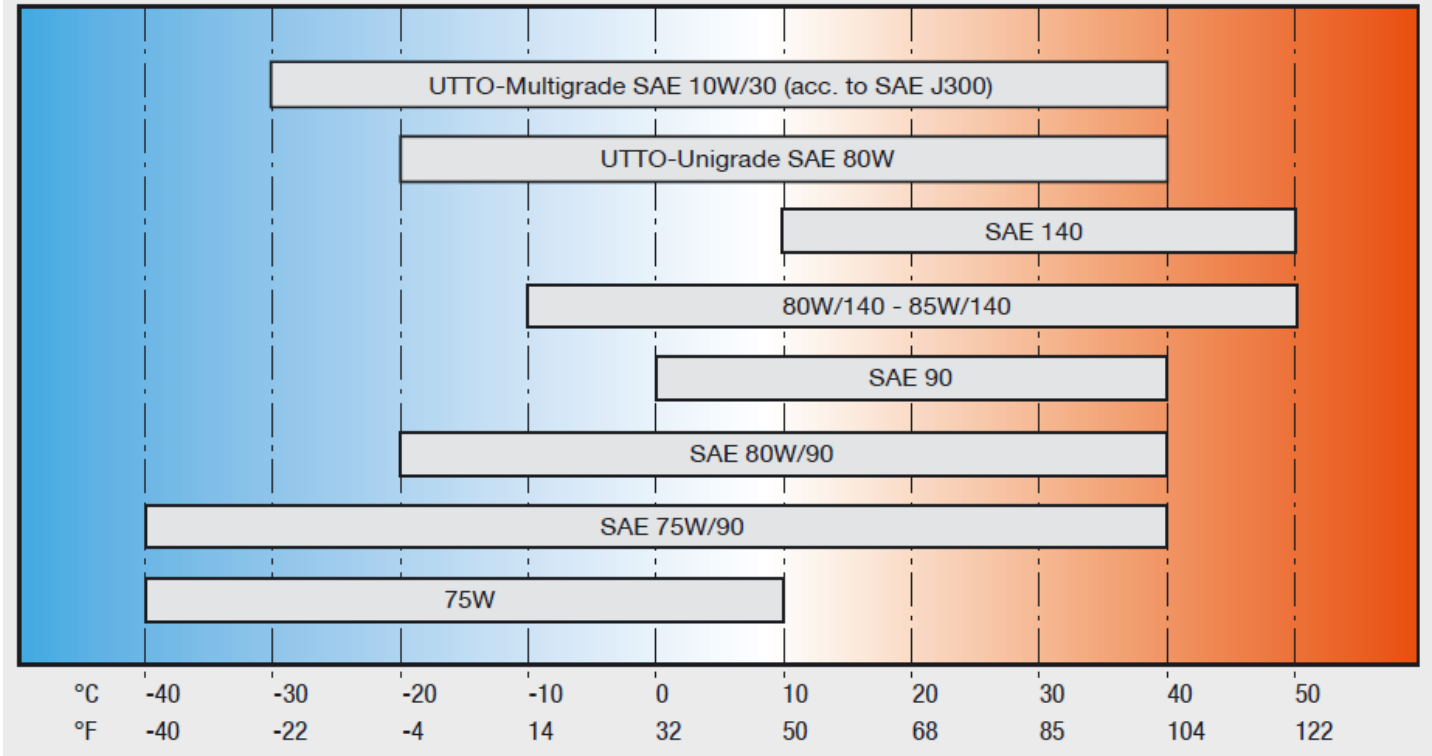
Note:

- When installing a new axle and/or gear boxes and/or performing maintenance (i.e. oil change), before operating the machine at full load / speed, warm-up the axle by operating the machine under light work and low speed conditions.
 - This is particularly recommended when operating in low ambient temperatures.
- Limited-slip (LS) additives may be used to minimize chatter noise in limited-slip differentials or to reduce brake noise in oil-bath brakes.
 - If LS additives are used, it is recommended that these properties are already in the oil as purchased from the oil manufacturer. The Technical Data Sheet for the oil will specify the compatibility with limited-slip differentials and/or wet disc brakes.
- Axles with Hypoid Gears must use **API GL5** and no Universal Tractor Transmission Oil [UTTO].
- Axles and/or gear boxes with Non-Hypoid Gears can use **API GL4** or **API GL5**.
- Axles with USA serial numbers must use gear oil (no UTTO).
- Axles with wet disc brakes or limited-slip (LS) differentials must have "LS" additives.
 - If UTTO is being used, the "LS" additive is not necessary.

Figure 1

Oil Viscosity Application Chart

RECOMMENDED SAE J306 VISCOSITY GRADE BASED ON PREVAILING AMBIENT TEMPERATURE



NOTE: This chart references temperature ranges for oils, not the axle and/or gear boxes. For axle specific Temperature ranges, please refer to your Dana Off-Highway contact.