



Product One Voice

Q & A

Product: AMSOIL SEVERE GEAR Synthetic Extreme Pressure Lubricant SAE 75W-110 (SVT)

Product Area: Drivetrain

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1. Question:

Why did AMSOIL make a new Severe Gear 75W-110 viscosity?

Answer:

The 75W-110 viscosity grade was recently adopted in June 2005 as a way to more closely define the viscosity of gear oils. This opens a classic niche market for AMSOIL Dealers and one for which AMSOIL has provided a top of the line product. The SAE 90 category was too broad, ranging from 13.5 cSt to < 24 cSt. It is lower cost to build lighter viscosity oil and it is easier for a lighter viscosity oil to achieve the cold temperature requirements of 75W. Oils built on the very low end of the SAE 90 scale might not provide adequate protection. Prior to the SAE 110 grade, SAE 140 was the next viscosity category. The use of a 75W-140, for example, definitely provides adequate viscosity, but sacrifices fuel economy through increased energy consumption due to the increased drag on the gears of the heavier weight oil. The SAE 110 category splits the SAE 90 category with a viscosity of 18.5 cSt to < 24 cSt. This is to insure adequate viscosity protection as well as improved efficiency and fuel economy. It delivers better viscosity protection than the SAE 90 category with better fuel economy than SAE 140 viscosity gear oil. With this new viscosity grade, AMSOIL anticipates some auto manufacturers to adjust their recommendations in the future. Sales applications for this new gear lube include turbo diesel pick-up trucks, any vehicles that are used for hauling or towing, and many severe service applications including emergency vehicles, street rods, 4x4s and heavy equipment.

2. Question:

Since there seems to be a need for 75W-110 gear lube, does this mean AMSOIL 75W-90 gear oils were deficient in protecting differential gears and bearings from wear?

Answer:

Absolutely not. Both AMSOIL 75W-90 products (FGR and SVG) are produced with the finest components available. They have a high viscosity index, which means they resist viscosity loss from heat and they are built well within the SAE 90 viscosity range. In addition, all AMSOIL gear lubes contain heavy doses of extreme pressure additives that protect gears and bearings under the worst conditions. Customers using AMSOIL 75W-90 gear oils have never had gear protection issues.

3. Question:

When and where is AMSOIL Severe Gear 75W-110 recommended?

Answer:

Since the SAE 110 category splits the former SAE 90 category, AMSOIL 75W-110 Severe Gear replaces competitive 75W-110, 75W-90 and 80W-90 gear lubes. AMSOIL Severe Gear 75W-110 provides better viscosity protection than other SAE 90 type oils and better fuel efficiency than 75W-

140 viscosity oils. This means AMSOIL customers get increased protection for their equipment and increased savings in their wallets. It is excellent for heavily loaded trucks, cars, and equipment regularly used in hauling or towing applications. Examples include turbo diesel pick-ups, passenger vans, motor homes, 4X4 off-road, and SUVs or wherever heavy hauling and towing are done.

4. Question:

In what markets should AMSOIL Dealers look to promote and sell AMSOIL SVT?

Answer:

Start with existing customers. AMSOIL is already in these markets. SVT can easily be marketed and sold in many of the same locations that Dealers currently service. These include auto parts stores, quick lubes, and auto and transmission repair shops. The internet also provides great opportunity, with all of the different websites, forums and chat rooms. This medium can provide access to customers who looking for a product to fit their synchromesh applications. Any market where Dealers have had success selling FGR, SVO or SVG are good markets for selling SVT. It is not necessary or recommended that customers who are using one of these other AMSOIL products switch them out for SVT, unless they desire to do so at the normal service interval. Good prospects for SVT are those who are using 140 weight oils instead of the OEM required 90 for increased wear protection, but now would like to increase their fuel efficiency without sacrificing wear protection. Any users of SAE 90 are also excellent prospects for SVT. Additional markets include new vehicles and equipment that will have the new 110 viscosity as the OEM recommended fluid. Severe Gear Synthetic Gear Lubes are recommended for use in differentials, manual transmissions and other gear applications requiring the appropriate specifications. They can also be used in axles where a GL-4 lubricant is required.

5. Question:

Can AMSOIL Severe Gear 75W-110 replace 75W-140?

Answer:

AMSOIL does not recommend using 75W-110 in place of 75W-140 where the vehicle manufacturer recommends the use of 75W-140. AMSOIL Dealers can recommend SVT 75W-110 to be used in 75W-90 applications and in those applications where an SAE 90 is required.

6. Question:

What size containers is Severe Gear 75W-110 packaged in?

Answer:

Quarts

- 5-gallon pails
- 16-gallon drums
- 30-gallon drums
- 55-gallon drums
- 275-gallon totes

7. Question:

What performance specifications apply to Severe Gear 75W-110?

Answer:

AMSOIL Severe Gear SVT is formulated to the same high level of performance as Severe Gear SVO and SVG and is recommended for applications requiring API GL-5, MT-1, MIL-PRF-2105E, Dana SHAES 234 and Mack GO-J specifications. To better understand what equipment has these specifications, Dealers should think turbo diesel pick-up trucks, emergency vehicles, hot rods, 4x4s and heavy equipment. All the Severe Gear fluids have outstanding cold temperature performance while providing the best protection in high temperature applications.

8. Question:

If AMSOIL 75W-110 is used in place of the recommended 75W-90 or 80W-90 gear lube, can changing out the gear lube after the break-in period be avoided?

Answer:

No. AMSOIL recommends changing the gear lube following break-in, which is sometimes established by the auto manufacturer. Where that interval is unknown, AMSOIL recommends the initial fill gear oil be changed no later than 5,000 miles.

9. Question:

What is the recommended oil change interval for Severe Gear 75W-110?

Answer:

All Severe Gear viscosities, including 75W-110, are formulated for the highest level of wear protection and extended drain capability. The length of the drain interval is based on the type of service in which the vehicle is operated, either normal or severe. Customers should be advised that extended drain intervals with AMSOIL Severe Gear oils save time and money through reduced fluid changes. In addition to they receive enhanced wear protection on the equipment and cost savings realized through improved fuel efficiency.

Cars, SUV's, and light truck drain intervals are 50,000 miles in severe duty, 100,000 miles in normal duty or according to the owner's manual, whichever is longer.

For heavy duty Class 8 Line Haul, follow the OEM drain interval (miles or hours) for synthetic oil up to 250,000 miles or one year, whichever comes first. Otherwise drain at twice the OEM interval for petroleum oil.

For heavy duty off-road vocational applications follow the OEM drain interval (miles or hours) for synthetic oil up to 120,000 miles or one year, whichever comes first. Otherwise drain at twice the OEM interval for petroleum oil.

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