

# **SELCO SF - 400**

## SYNTHETIC GEAR LUBRICANT

### **GENERAL DESCRIPTION:**

Design changes in equipment to increase efficiency are placing importance on correct gear lubrication. Gear systems are operating under heavier load conditions and higher RPM's. Many gear systems are being reduced in size but are forced to transmit more power. Petroleum gear oils have done a good lubrication job in most applications; however recent equipment design changes have made it evident that synthetic gear oils proving to be the only lubricant to offer sufficient gear train protection.

SF-400 series contain a combination of the latest technical advances in both synthetic base stocks and complex additive systems to insure long lasting superior protection. The superior oxidation stability of SF-400 Series gear lubricants allows longer intervals between oil changes. The thermal stability of these lubricants provides protection at elevated temperature levels where most petroleum oils fail.

Actual tests show that SF-400 Series can withstand 30% higher loads than petroleum gear oils. The superior anti-wear and extreme pressure properties of the synthetic base material of these lubricants are enhanced by proprietary additives to ensure low wear rates.

The cold temperature flow properties of SF-400 Series offer advantages in startup of critical equipment. When compared to an SAE 90 weight petroleum gear oil it reduced torque requirement for cold weather start-up an amazing 36%. This test was conducted in a Boston right angle drive gear box to determine the required torque to slowly turn the drive shaft of the gear box at 49 °F - 52 °F. The superior cold flow properties of SF-400 Series offers the user the advantage of using the correct viscosity gear lubricant while eliminating delays due to start-up problems.

## RECOMMENDED USAGE :-

SF-400 Series gear lubricants are designed for all gear boxes. These lubricants are truly "multipurpose" gear oils with no compromise on performance. In dynamo meter testing SF-400 reduced the transsexual friction sufficiently to allow almost a 10% increase in horsepower. Additionally, reduced friction provides a cooler running differential.

SF-400 Series are recommended for heavy duty truck transmissions and differentials. Truck transmissions and differentials will run cooler and obtain better fuel economy. Over heating of axles and transmissions can be eliminated.

SF-400 has provided superior lubrication in gear boxes in a large paper mill for over one year. The oil drain interval has been extended from the normal 6 months, to over one year. Gear wear has proven to be extremely low and operating temperatures have been greatly reduced.

## PROVEN BENEFITS :

- ◆ Reduced friction, lower fuel cost.
- ◆ High temperature stability.
- ◆ Low temperature fluidity.
- ◆ Superior wear protection.
- ◆ Superior shock loading protection.
- ◆ Rust & corrosion protection.
- ◆ Elimination of deposits.
- ◆ Reduced down time.
- ◆ Extended change out intervals.
- ◆ Energy savings.

<u>PROPERTIES :</u>		
SAE VISCOSITY GRADE	90	140
AGMA LUBRICANT NO.	6 EP	8 EP
INDUSTRIAL VISCOSITY NO.IVN @ 100 ° F.	C320	C680
API GRAVITY	16.3	19.0
FLASH POINT, ° F.	420	420
POUR POINT, ° F.	-20	-5
VISCOSITY @ 210 °F, CS	21.0	34.0
VISCOSITY @ 100 °F, CS	300.5	680