

**A 100% SYNTHETIC GEAR OIL BLENDED WITH UNIQUE ADDITIVE PACKAGE TO WITHSTAND SEVERE OPERATION CONDITIONS**



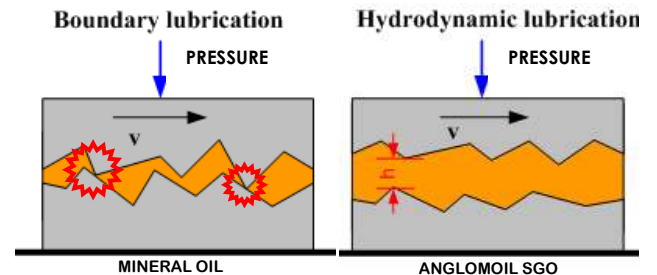
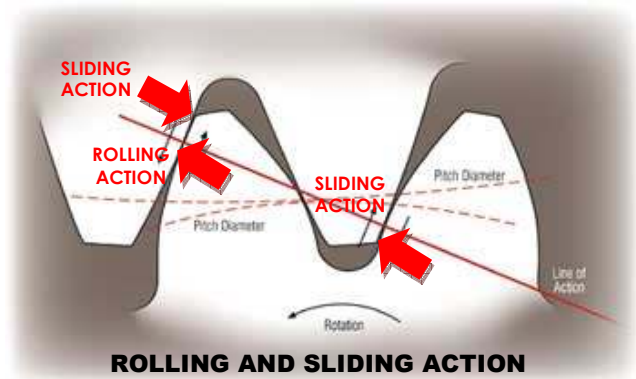
**ANGLOMOIL SYNTHETIC SGO OUTLASTS MINERAL OILS MANY TIMES AND PROVIDES BETTER LUBRICATION :-**

**HIGH FILM STRENGTH**

**REDUCE FRICTION, VIBRATION, NOISE, TEMPERATURE**

When gears mesh, the gear teeth roll and slide against each other. The molecular structure of mineral oil film unable to provide total surface separation when subjected to pressure, the sliding action of gear teeth wipes off oil film from the mating surfaces (boundary lubrication) results in temperature increased due to metal-to-metal contact. When gear leaves the wheel surface, it picks up oil, and starts the process over again on the next revolution. The repeated process speed oil oxidation and vibration of gear. Worm gears suffer more damage due to high sliding motion and high operating temperature at high load.

Anglomoil SGO is manufactured entirely from Group IV synthetic PAO base oils and incorporating proprietary additives technology. The special molecular structure of Anglomoil SGO provides a tenacious layer of oil bonding to metal surfaces (hydrodynamic lubrication), even after shutdown. It provides instant lubrication at start-up until a full oil film is established. Therefore it cools the gear teeth, prevents excessive tooth temperatures and overheating of oil thus extending oil change intervals and gear life.



## **RESISTANCE TO FORMATION OF SLUDGE DEPOSITS** EXTENDED OIL CHANGE INTERVALS, REDUCE ENERGY CONSUMPTION, ELIMINATE OIL LEAKAGE

Mineral oil breaks down easily when exposed to air and heat. Oxidation causes the oil to form carbon and sludge on the gears, bearings and seals. The buildup of these deposits increased oil viscosity, frictional drag and operating temperature which speeds gear failure and increases energy consumption.

Anglomoil SGO has high oxidation stability, results in less electricity required to drive equipment and longer oil change intervals.

Once sludge is formed around the seal lip, it causes the loss of seal elasticity, premature seal hardening and cracking results in oil leakage. Most seals commonly fail due to hardening and deposit formation, especially when high operating temperatures are encountered. Anglomoil SGO incorporates a careful balance of additive chemistry and base oil prevents seal failures.



MINERAL OIL BREAKS DOWN EASILY WHEN EXPOSED TO AIR AND HEAT



## **SUPERIOR WATER SEPARATION** ELIMINATE RUST AND CORROSION

Industrial gear oils are exposed to water from damaged coolers, lines or water spray used for cool down. Water in the gearbox can easily damage gear oil, and water causes rusting and rust attacks gear surfaces.

Many oils emulsify with water, which shortens the oil life and the equipment it lubricates. Anglomoil SGO quickly separate from water, allowing for easy removal of water from the bottom of the oil

reservoir. The special molecular structure of Anglomoil SGO plates the metal surfaces and prevents rust.

## **COMPATIBILITY WITH MINERAL OILS** NO SPECIAL PRECAUTIONS REQUIRED DURING OIL CHANGE

Some synthetic lubricants are not compatible with mineral oils, accidental and wrong top up will result in increased wear. Anglomoil SGO is user friendly, it compatible with mineral oils.

# **ANGLOMOIL SGO BRINGS LOWER WEAR RATES, LOWER OPERATING TEMPERATURES AND GREATER ENERGY EFFICIENCY**