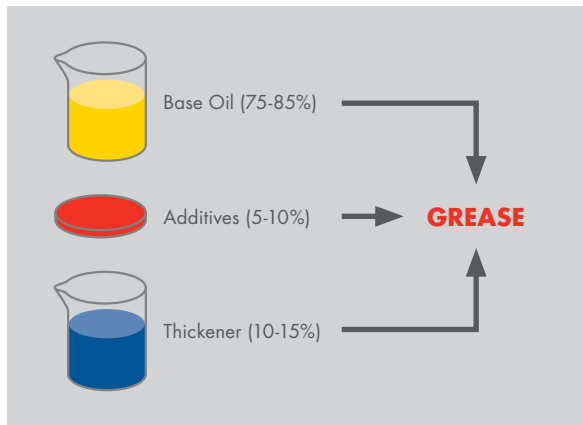




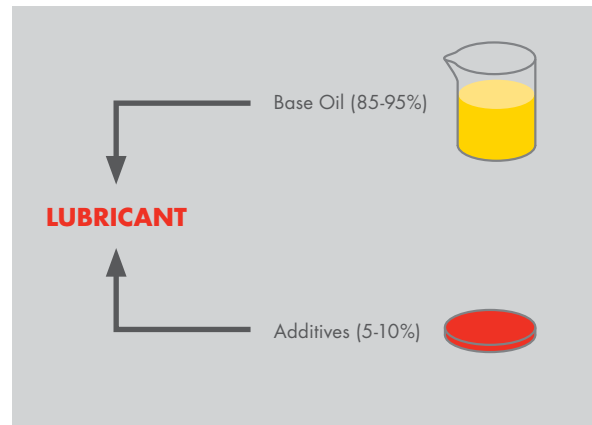
10 FACTS YOU MAY NOT KNOW ABOUT GREASES



GREASE COMPONENTS



LUBRICANT COMPONENTS



10 FACTS YOU MAY NOT KNOW ABOUT GREASES

- 1. The function of grease** is to prevent primarily moving parts in equipment from damaging each other. It further protects from dust and moisture, which cause wear and corrosion.
- 2. Carefully maintained**, the right grease can prolong the life of machinery, reduce breakdowns and minimise maintenance costs.
- 3. Unlike other liquid lubricants**, a grease stays in place as it contains a thickener. The most common applications are in bearings and joints.
- 4. Over one million tonnes** of greases are used every year. That's about 3% of all the lubricants used in the world.
- 5. Virtually every item of equipment requires grease lubrication.** About 60% of grease applications are industrial, such as manufacturing, metals, mining and power. About 40% is used in transport, such as construction, fleets and passenger cars.
- 6.** When selecting a grease, there are four properties which are key:
 - Thickener type (It is the fibre mesh of the thickener's structure, which contains the lubricant and releases sufficient quantities for lubrication)
 - Oil viscosity (measure of a lubricant's resistance to flow)
 - Operating conditions (e.g. temperature) and applications
 - It's consistency (how hard or soft the grease is).
- 7. Shell produces the vast majority** of our greases in our own manufacturing plants. This enables us to guarantee consistent product performance throughout the world with in-depth support knowledge.
- 8. 70 years ago, Shell pioneered** and patented the Lithium-thickener technology. It is now the world's most popular grease thickener.
- 9. Shell greases are sold** under the brand Shell Gadus, and can be found in Ferrari Formula 1 race cars, Boeing aircrafts and Shinkansen bullet trains.
- 10. We just opened our 18th grease plant** in China, our largest in the world.

