

## OUR COMPLEMENTARY RANGE

In addition to the full range of Shell Spirax gear and axle oils, Shell Lubricants also offers a complete portfolio of lubricants for every part of your equipment, including Shell Rimula heavy duty engine oils, Shell Donax transmission fluids, Shell Retinax greases, and Shell HD Antifreeze/Coolant.



## HEALTH SAFETY AND ENVIRONMENT

### Health and Safety

Shell Spirax oils are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of industrial and personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves when handling used oil. After skin contact, wash immediately with soap and water.

For further guidance on Product Health & Safety, refer to the appropriate Shell Product Safety Data Sheet.

### Protect the Environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

### Advice

Advice on applications not covered in this leaflet may be obtained from your Shell Representative.



**For more information contact your local Shell representative  
or visit [www.Shell.com](http://www.Shell.com).**



## SHELL SPIRAX ENERGISED PROTECTION



# SHELL SPIRAX GSX/ASX

HIGH PERFORMANCE, FUEL ECONOMY, SYNTHETIC GEARBOX AND AXLE OIL

### PROVEN PROTECTION

The Energised Protection of Shell Spirax high quality heavy duty manual transmission and axle oil provides protection in 5 critical areas:

- Reduced friction
- Protection against wear
- Protect against pitting and bearing failures
- Protect against corrosion
- Helps to improve fuel efficiency

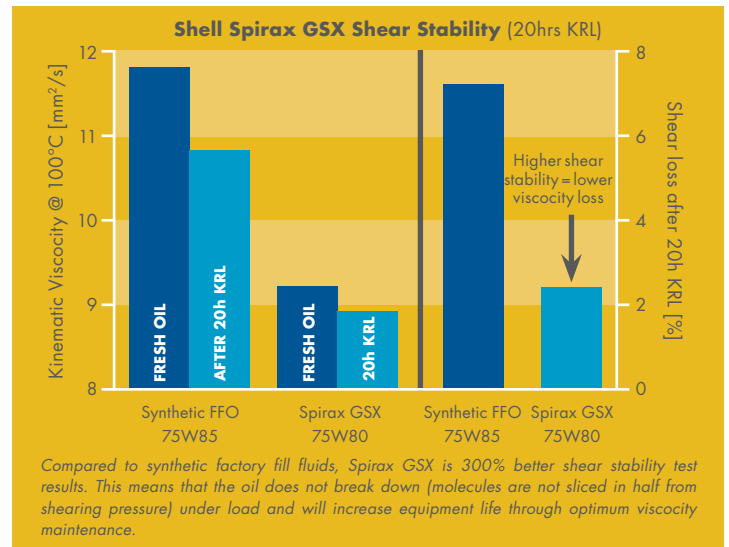
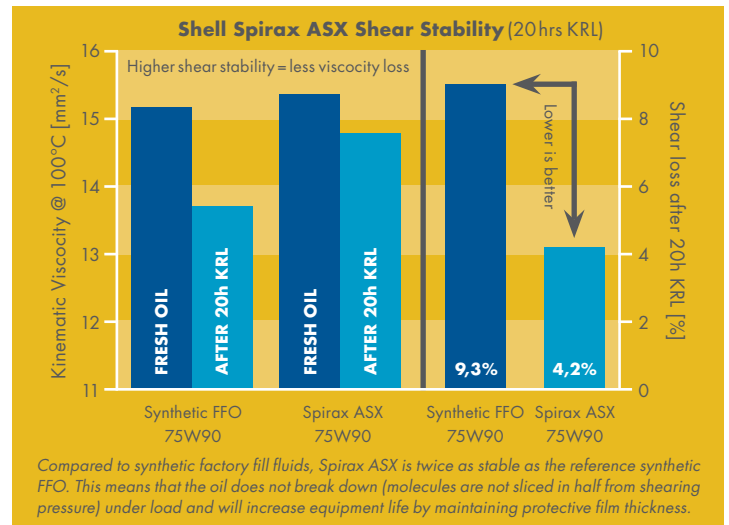
### PROTECTIVE POWER

Shell Spirax GSX is a unique, fuel-efficient, long-life transmission oil that gives improved lubrication of the drive train, lowers the operating temperature, and helps promote longer life for the equipment.

Shell Spirax ASX, a long-life axle oil that gives improved lubrication of the drive train, lowers the operating temperature, and helps promote longer life for the equipment. Both are specially formulated with synthetic base oils and unique adaptive additive technology, to provide Energised Protection to the latest heavy-duty axles.

• **Fuel efficiency and longer oil-drain interval:** Exceptional frictional properties give less power loss and lower operational temperatures, resulting in increased mechanical efficiency. This combination leads to lower fuel costs for your business. Shell Spirax ASX 75W-90 and GSX 75W-80 demonstrate high

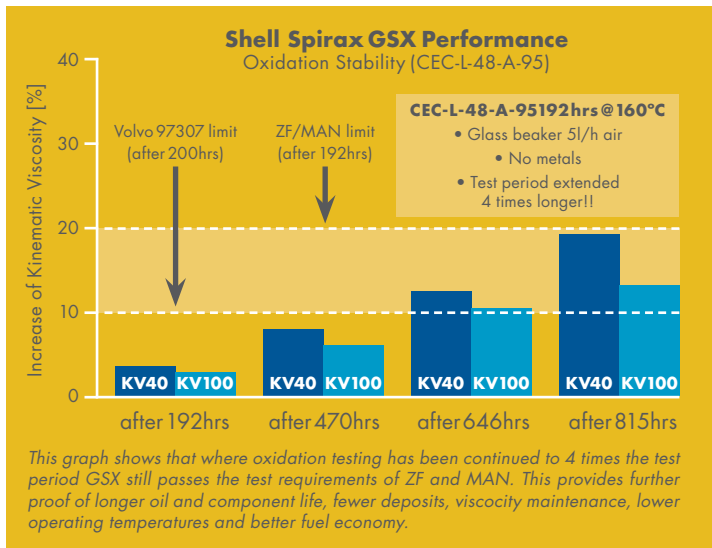
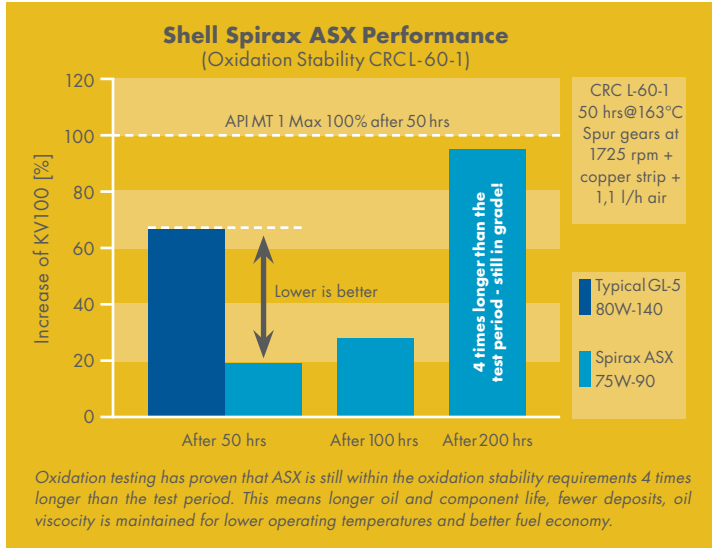
shear stability in field testing. This contributes to extended oil life and durability, thereby maximising the life of your components.



DESIGNED TO MEET CHALLENGES

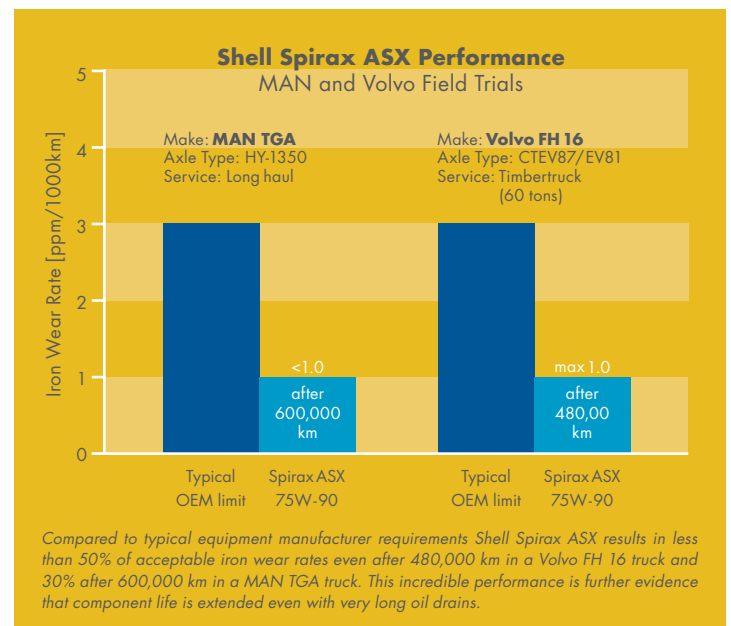
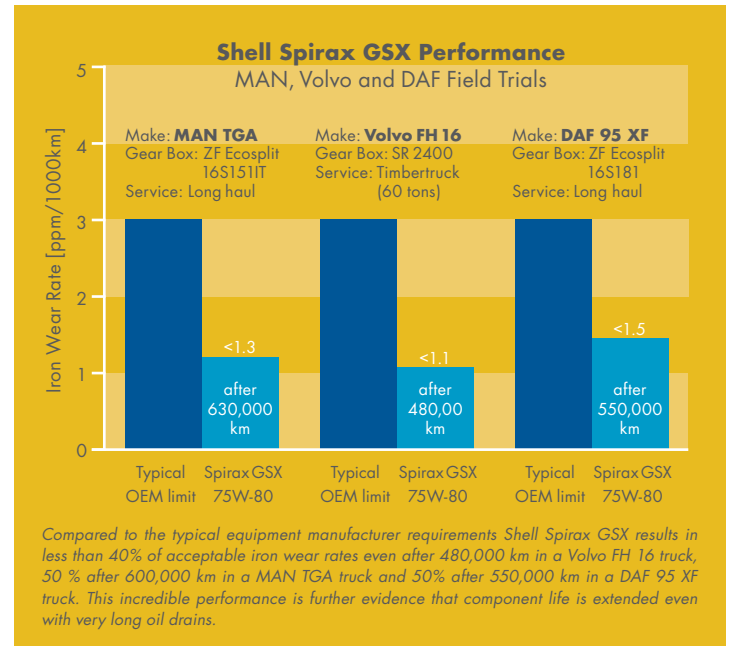


- **Longer component life:** Super-high-performance additives with adaptive technology provide exceptional oxidation resistance, delivering excellent protection against gear wear, pitting, and seal deposits.



## DEDICATED LUBRICANTS

Shell Spirax GSX and ASX have gone through extensive field trials and are recognised by leading equipment manufacturers. With over 20 million kilometers of field testing and extensive laboratory tests, a number of leading equipment manufacturers recognize the benefits of Spirax ASX/GSX and have approved it against their specifications.



**SHELL SPIRAX GSX/ASX - APPLICATION GUIDE**



Spirax GSX is essentially for lubrication of synchromesh gearboxes, including those with integrated retarders, and medium loaded axle drives where mineral or synthetic gear oils are required.



Shell Spirax ASX is essentially for lubrication of transmissions and axles of heavily loaded axles and non-synchronised transmissions where mineral and synthetic gear oils are recommended.



**SPECIFICATIONS AND APPROVALS**

|                                                    | SAE Viscosity Grades |        |                  |          |         |         |
|----------------------------------------------------|----------------------|--------|------------------|----------|---------|---------|
|                                                    | Shell Spirax GSX     |        | Shell Spirax ASX |          |         |         |
|                                                    | 50                   | 75W-80 | 75W-90           | R 75W-90 | 75W-140 | 80W-140 |
| <b>API GL-4</b>                                    |                      | ✓      |                  |          |         |         |
| <b>API GL-5</b>                                    |                      |        | ✓                | ✓        | ✓       | ✓       |
| <b>API MT-1</b>                                    | ✓                    | ✓      | ✓                | ✓        | ✓       | ✓       |
| <b>Arvin Meritor EU: Extended drain 400,000 km</b> |                      |        | ✓                |          |         |         |
| <b>DAF</b>                                         |                      |        | ✓                |          |         |         |
| <b>MAN: 342 Type S-1</b>                           |                      |        | ✓                |          |         |         |
| <b>Scania: High performance oil for axles</b>      |                      |        |                  |          | ✓       |         |
| <b>Scania: High performance oil for man trans</b>  |                      |        | ✓                |          |         |         |
| <b>ZF: 05B, 07A, 12B, 16F</b>                      |                      |        | ✓                |          |         |         |
| <b>ZF: Freedomline</b>                             | ✓                    |        |                  |          |         |         |
| <b>Volvo: 97312</b>                                |                      |        | ✓                |          |         |         |
| <b>Volvo: I-Shift (120,000 km)</b>                 | ✓                    |        |                  |          |         |         |
| <b>Eaton Roadranger: PS-164 Rev 7</b>              | ✓                    |        |                  |          |         |         |
| <b>Dana: SHAES 256 Rev C (Roadranger)</b>          |                      |        |                  | ✓        |         |         |
| <b>Dana: SHAES 429 Rev A</b>                       |                      |        |                  |          |         | ✓       |
| <b>International: TMS 6816</b>                     | ✓                    |        |                  |          |         | ✓       |
| <b>Mack: GO-J-Plus</b>                             |                      |        |                  | ✓        |         |         |
| <b>Mack: TO-A-Plus</b>                             | ✓                    |        |                  |          |         |         |

Some grades may not be available in all markets.

