

# Shell Transmission ZFLD-Plus 75W80

## Special synthetic oil for ZF gearboxes



Shell Transmission ZFLD-Plus 75W80 is a synthetic and specially developed for use in heavy duty ZF gearboxes where specification TEML-01L/02L and where TEML-02D was previously required.

### Applications

- Automotive transmissions**  
 For heavy duty synchromesh gearboxes, including those with integrated retarders, where mineral or synthetic gear oils are required.
- Carbon Synchromesh**  
 Approved for service fill use in ZF heavy duty gearboxes with conventional and carbon based synchromesh materials.

- Remark**

Transmission ZFLD-Plus is a special developed product with a limited application area. We advise you to use Shell Spirax S6 GXME 75W-80 for a wider use in different OEM's.

### Performance Features and Benefits

- Longer oil drain capability**  
 Shell Transmission ZFLD-Plus has the ZF long drain approval and can be used for extended oil drain periods.
- Low Power Loss - Improved Efficiency**  
 The use of synthetic high fluidity base oil with special frictional properties can help give less power loss, lower operating temperature and higher mechanical efficiency. Long additive life and excellent viscosity control help maintain performance over the oil's lifetime providing smooth shifting under all conditions.
- Longer transmission life**  
 Outstanding pitting, scoring and wear protection. Excellent synchromesh compatibility.

### Specification and Approvals

API Service Classification	GL-4
ZF	TE-ML 01L, 02L, 16K
MAN	341 Typ Z4

### Advice

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

### Health and Safety

Guidance on Health and Safety are available on the appropriate Material Safety Data Sheet which can be obtained from your Shell representative.

### Protect the environment

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

### Typical Physical Characteristics

Transmission ZFLD-Plus		75W-80
SAE Viscosity grade	SAE J 306	75W-80
Kinematic Viscosity	ISO 3104	
at 40°C	mm <sup>2</sup> /s	57.65
at 100°C	mm <sup>2</sup> /s	9.65
Viscosity Index	ISO 2909	153
Density at 15°C	kg/m <sup>3</sup> ISO 12185	860
Flash Point COC	°C ISO 2592	230
Pour Point	°C ISO 3016	-42

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.