



## SHIFT LSD

### LIMITED SLIP DIFFERENTIAL GEAR OIL

#### PRODUCT DESCRIPTION:

Shift LSD is an extra high-performance automotive gear lubricant specially developed for use in modern high-performance passenger cars, sports utility vehicles, vans and light duty trucks with limited slip differentials. It is manufactured from premium quality base oils and advanced performance additives to provide exceptional protection against thermal degradation, component wear and oil seal deterioration for extended service life. The special friction modifier used in this oil helps eliminate chatter and improves traction besides retaining the frictional properties for longer service life. It also offers effective protection against oxidation degradation and rust & corrosion.

#### APPLICATION:

Shift LSD is recommended for Limited Slip differentials of modern high-performance passenger cars, sports utility vehicles, vans and light duty trucks requiring API GL-5/MT-1 quality oils. It is miscible and compatible with conventional branded gear oils. However, intermixtures with other gear oils should be avoided in order to fully utilise the product's benefits.

#### FEATURES & BENEFITS:

- Very good wear protection, even under severe conditions, prolongs component life.
- Optimized and stable friction characteristics for effective operation of limited slip differentials throughout the drain interval.
- Exceptional load carrying capability
- Effective rust and corrosion protection
- Good anti-foam properties for effective lubrication.

#### PERFORMANCE LEVELS / MEETS OR EXCEEDS:

SAE GRADES	90	80W-90	85W-90	85W-140	75W-90	75W-140
API	GL-5	GL-5/ MT-1	GL-5	GL-5/ MT-1	GL-5/ MT-1	GL-5/ MT-1
MIL	PRF-2105D	PRF-2105D	PRF-2105E	PRF-2105E	PRF-2105E	MIL-L-2105B
SAE	-	-	-	GO-J	-	-
MACK	-	GO-J	-	-	-	-
ZF	05C/12C/16E/21C	-	05C/12C/16E/21C	-	02B/12B/21B/05B/16F/05D(LS)/17B/07A/19C	05B/16F/05D LS/17B/07A/12B
FORD	-	M2C-119A	-	-	-	-

#### TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	SHIFT LSD					
			90	80W-90	85W-90	85W-140	75W-90	75W-140
KV@ 104°F /40°C	D7042	cSt	TBR	TBR	TBR	TBR	TBR	TBR
KV@212°F /100°C	D7042	cSt	16.0	15.0	16.0	27	14.2	26.7
Viscosity Index (min)	D2270	-	95	140	140	140	140	140
Density@15°C	D4052	g/cm <sup>3</sup>	TBR	TBR	TBR	TBR	TBR	TBR
Flash Point (min)	D92	°C	200	200	200	200	200	200
Pour Point (max)	D97	°C	-12	-27	-	-18	-42	-42

**DISCLAIMER:** The test data provided above is not a specification but is indicative and may vary within permissible production tolerances. Lubrex reserves the right to modify this test data. Updated information will supersede previous versions, so please refer to the latest version of this Technical Data Sheet (TDS).

#### HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further information on Safety Guidelines please refer to MSDS available on our website [www.lubrex.net](http://www.lubrex.net)

#### HEALTH & SAFETY:

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet [www.lubrex.net](http://www.lubrex.net)

#### PROTECT THE ENVIRONMENT:

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

#### STORAGE:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

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