



### SHIFT ULTRA HD TRANSMISSION AND GEAR BOX LUBRICANTS

#### PRODUCT DESCRIPTION:

Shift Ultra HD are extra high-performance commercial gear lubricants which contain selected base oils and a balanced additive system. Shift Ultra HD provides excellent chemical and thermal stability at elevated bulk oil temperatures and good performance at low temperatures. It complies with current manufacturers' regulations that demands oils with long drainage periods, enabling double or triple the interval between oil changes in comparison with conventional mineral oils.

#### APPLICATION:

Shift Ultra HD SAE 80W-90 & SAE 85W-140 meets the requirements of long-lasting oils for differentials and manual gearboxes that require the API GL-5 quality level. These products are specially recommended for commercial and civil-works vehicles working under harsh conditions and requiring a high-performance lubricant. Shift Ultra HD SAE 75W-90 is designed mainly for lubricating the differentials, some vehicle gearboxes and transmissions. It provides excellent performance in rear axles and shafts of heavy vehicles due to its capacity to withstand heavy loads and its exceptional fluidity at low temperatures. It contributes to fuel saving and enables extended drain intervals.

#### FEATURES & BENEFITS:

- Excellent thermal stability and resistance to high temperature oxidation
- Good protection against low speed/high torque wear and against high speed scoring
- Longer drain intervals by resisting high temperature degradation
- Compatible with typical automotive seals and gaskets
- Excellent rust, staining and corrosion protection
- Effective low temperature lubrication
- Good resistance to foaming
- Maximum protection, anti-shudder additive technology

#### PERFORMANCE LEVELS / MEETS OR EXCEEDS:

SAE GRADES	80W-90	85W-140	75W-90
API	GL-5/ MT-1	GL-5/ MT-1	GL-5/ MT-1
MIL	MIL-PRF-2105E, L-2105D	MIL-PRF-2105E, L-2105D	MIL-PRF-2105E, L-2105D
SCANIA	STO 1:0	STO 1:0	STO 2:0A
SAE	J2360	J2360	J2360
MACK	GO-J	GO-J	GO-J
MB	235.0/235.2/235.6	-	235.0/235.8
ZF	TE-L 05A/07A/08/12L/12M/16B/17B/19B/21A	TE-L 05A/07A/08/12M/16D/21A	TE-L 02B/05A/05B/07A/08/12L/12N/16F/17B/19C/21A
ARVIN MERITOR	O76-D	O76-A	O76-N
MAN	342 M3/ 341 GA1	-	341 Z2, 342 S1
VOLVO	97310	97310	97312

\* Phosphorus limit exceeds.

#### TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	SHIFT ULTRA HD		
			80W-90	85W-140	75W-90
KV@ 104°F /40°C	D7042	cSt	TBR	TBR	TBR
KV @ 212°F /100°C	D7042	cSt	15	29	15
Viscosity Index	D2270	-	140	140	140
SP. Gravity @15°C	D4052	g/cm3	TBR	TBR	TBR
Flash Point (min)	D92	°C	200	200	200
Pour Point (max)	D97	°C	-30	-18	-42
Brookfield Viscosity	D2983	cp	75,000(-26C)	50,000(-26C)	80,000(-40C)

#### 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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