

**SYNGEAR HD****TRANSMISSION AND GEAR BOX LUBRICANTS****PRODUCT DESCRIPTION:**

Syngear HD is an extra high-performance commercial gear lubricant that is formulated with carefully selected base oils and a balanced additive system. It offers excellent chemical and thermal stability, even at high bulk oil temperatures, as well as reliable performance at low temperatures. It meets the requirements of current manufacturers' regulations for extended drain intervals, allowing for longer periods between oil changes compared to conventional mineral oils.

**APPLICATION:**

Syngear HD SAE 80W-90 & SAE 85W-140 are specifically formulated to meet the requirements of API GL-5 quality level for long-lasting oils in differentials and manual gearboxes. These products are highly recommended for commercial and civil-works vehicles operating in harsh conditions and requiring high-performance lubricants. Syngear HD SAE 75W-90, on the other hand, is primarily designed for lubricating differentials, certain vehicle gearboxes, and transmissions. It offers exceptional performance in heavy vehicle rear axles and shafts, with its ability to withstand heavy loads and excellent fluidity at low temperatures. This lubricant contributes to fuel savings and allows for 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/17 B/19C/21A
ARVIN MERITOR	O76-D	O76-A	O76-N
MAN	342 M3/ 341 GA1	-	341 Z2, 342 S1
VOLVO	97310	97310	97312

**TYPICAL PROPERTIES:**

PARAMETERS	ASTM	UNIT	SYNGEAR 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 (min)	D2270	-	140	140	140
Density @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)

**DISCLAIMER:**

The test data provided is not a final specification; rather, it serves as a guideline and may vary within acceptable production tolerances. Bravoil reserves the right to modify this test data. Any updates will supersede previous versions, so please refer to the most recent 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.bravoil.ae](http://www.bravoil.ae)

**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.bravoil.ae](http://www.bravoil.ae)

**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.