



DRIVE HD

TRANSMISSION AND GEAR BOX LUBRICANTS

PRODUCT DESCRIPTION:

DRIVE HD are ultra-high-performance commercial gear lubricants formulated with carefully selected base oils and a balanced additive system. DRIVE HD offers exceptional chemical and thermal stability at high bulk oil temperatures and maintains strong performance even at low temperatures. It meets the latest manufacturer standards requiring oils with extended drainage intervals, allowing for double or triple the oil change period compared to conventional mineral oils.

APPLICATION:

DRIVE 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. DRIVE 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

TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	DRIVE 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
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 above is for reference purposes and is not a strict specification, as variations within acceptable production tolerances may occur. Phoenix reserves the right to update or revise this test data. For the most accurate and up-to-date information, please consult 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 Phoenixlubricants.com