

Technical Data Sheet

PATRON ALPHATRON HD – GL5

TRANSMISSION AND GEAR BOX LUBRICANTS

PRODUCT DESCRIPTION :

PATRON ALPHATRON HD is extra high performance commercial gear lubricants which contain select base oils and a balanced additive system. ALPHATRON HD provide excellent chemical and thermal stability and good performance at low temperatures.

APPLICATION :

ALPHATRON HD SAE 80W-90 & SAE 85W-140 meet the requirements of long-lasting oils for differentials and manual gearboxes that require the API GL-5 quality level.

ALPHATRON HD SAE 75W-90 is designed for lubricating mainly differentials and some vehicle gearboxes and transmissions.

FEATURES & BENEFITS :

- Excellent thermal stability and resistance to high temperature oxidation
- High 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.
- High resistance to foaming.
- Maximum protection, anti-shudder additive technology.

PERFORMANCE LEVELS / MEETS OR EXCEEDS:

	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
MAN	342 M3/ 341 GA1	-	341 Z2, 342 S1
VOLVO	97310	97310	97312

TYPICAL PERFORMANCE :

PARAMETERS	ASTM	UNIT	PATRON ALPHATRON HD		
			80W-90	85W-140	75W-90
Grade			80W-90	85W-140	75W-90
KV@ 104°F /40°C	D7042	cSt	135	396	102
KV @ 212°F /100°C	D7042	cSt	15	29	15
Viscosity Index	D2270	-	111	101	154
SP. Gravity @15°C	D4052	g/cm3	0.895	0.902	0.865
Flash Point (min)	D92	°C	216	232	210
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.

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.