

## Technical Data Sheet

### PATRON ALPHATRON – GL4

#### EXTREME PRESSURE AUTOMOTIVE GEAR OIL

#### PRODUCT DESCRIPTION :

PATRON ALPHATRON is a high quality gear lubricant blended from solvent-refined mineral base oils and selected Sulphur and phosphorous Chemical additives.

Extreme Pressure (EP) additive technology providing good thermal stability and high load carrying capacity.

#### APPLICATION :

PATRON ALPHATRON provides an inherently high Viscosity Index (VI) and low pour points making these products suitable for use over a wide temperature range for the type of service characteristics of gears, particularly hypoid, in passenger cars and other Automotive type equipment, operated under high speed, low torque and low-speed/high torque conditions.

#### FEATURES & BENEFITS :

- Good thermal and oxidative stability.
- Full EP performance\* gives maximum protection of gears against rusting, pitting, shock loading, and corrosion.
- Suitable for heavy-duty service in truck and bus gears operating at high temperatures.
- High corrosion protection for gears.
- Formulated for automotive high speed gears.

#### PERFORMANCE LEVELS / MEETS OR EXCEEDS:

SAE GRADES	90	140	80W-90	85W-90	80W-140	85W-140	75W-90
API	GL-4	GL-4	GL-4	GL-4	GL-4	GL-4	GL-4
MIL	MIL-L-2105B	MIL-L-2105B	MIL-L-2105B	MIL-L-2105B	MIL-L-2105B	MIL-L-2105B	MIL-L-2105B

\* Phosphorus limit exceeds.

#### TYPICAL PERFORMANCE :

PARAMETERS	ASTM	UNIT	PATRON ALPHATRON						
			90	140	80W-90	85W-90	80W-140	85W-140	75W-90
Grade			90	140	80W-90	85W-90	80W-140	85W-140	75W-90
KV@ 104°F /40°C	D7042	cSt	200.0	405.1	142.0	200	225	405.0	86.1
KV @ 212°F /100°C	D7042	cSt	17.5	28.3	15.6	17.5	28.5	28.2	14.4
Viscosity Index	D2270	-	96	97	114	96	165	96	174
SP. Gravity @15°C	D4052	g/cm3	0.899	0.902	0.895	0.899	0.880	0.905	0.845
Flash Point (min)	D92	°C	230	236	220	230	218	234	214
Pour Point (max)	D97	°C	-9	-9	-27	-15	-27	-12	-42
Brookfield Viscosity	D2983	cp	-	-	90,000 (-26C)	100,000 (-12C)	110,000 (-12C)	120,000 (-26C)	135,000 (-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.