



## DURALIFE® PAG SYNTHETIC EXTREME PRESSURE INDUSTRIAL GEAR OILS

**DURALIFE® PAG SYNTHETIC EXTREME PRESSURE INDUSTRIAL GEAR OILS** are manufactured from Polyalkylene glycol base fluids with Extreme pressure additives to develop for use under severe operating conditions in comparison to other synthetic lubricants and mineral based products. They provide excellent anti-wear protection, rust protection, corrosion protection even in the presence of water, foam resistance, oxidation and thermal stability, allow operation at high loads and continuous high temperatures, resist the sludge formation and deposit buildup. Their very low pour points ensure excellent low-temperature fluidity.

### APPLICATIONS :

**DURALIFE® PAG SYNTHETIC EXTREME PRESSURE INDUSTRIAL GEAR OILS** are recommended for all worm gears, all types of industrial gears and plain and anti-friction bearings under extremely severe conditions. They are also suitable for “lubricated-for-life” systems and circulating systems where high bulk oil temperatures are found.

**Note:** *DURALIFE® PAG SYNTHETIC EXTREME PRESSURE INDUSTRIAL GEAR OILS are not compatible with most other synthetic lubricants and mineral oils. Care should be taken to avoid mixing the two products.*

### BENEFITS:

- Superior antirust, anti-wear and EP properties.
- Easy start-up because of excellent low-temperature fluidity - especially important for successful operation of remotely located equipment.
- Extend gear life due to high load carrying and outstanding ability to keep gear surfaces free of deposits. Reduction of maintenance costs as a result of significantly increased life of the lubricant.
- Excellent thermal and oxidation stability.
- Non corrosive steel, cast iron, copper, and bronze.
- Compatible with a wide variety of seals and paints

### TYPICAL CHARACTERISTICS:

Test	Method	PG 100	PG 150	PG 220	PG 320
ISO Viscosity Grade	ASTM D2422	100	150	220	320
AGMA #		3EP	4EP	5EP	6EP
Specific Gravity @ 15.6°C (60°F)	ASTM D1298	1.048	1.050	1.072	1.072
Viscosity @ 40°C, cSt	ASTM D445	100	150	220	320
@ 100°C, cSt		18.45	25.48	34.5	52.5
Viscosity Index	ASTM D 2270	205	208	210	230
Flash Point, °C (°F)	ASTM D92	275 (527)	275 (527)	280 (536)	280 (536)
Pour Point, °C (°F)	ASTM D97	-50 (-48)	-48 (-54)	-48 (-54)	-33 (-27)
F Z G Gear Test , Fail stage ( A/8.3/90 )	ISO 14635-1 / DIN 51354	>12	>12	>12	>12
Timken OK Load , lb	ASTM D 2782	75	75	75	75
Foam Test Seq 1 , ml	ASTM D 892	10/0	10/0	10/0	10/0

Test	Method	PG 460	PG 680	PG 1000
ISO Viscosity Grade	ASTM D2422	460	680	1000
AGMA #		7EP	8EP	8AEP
Specific Gravity @ 15.6°C (60°F)	ASTM D1298	1.072	1.075	1.075
Viscosity @ 40°C, cSt	ASTM D445	460	680	1000
@ 100°C, cSt		73.2	110	160
Viscosity Index	ASTM D 2270	239	261	284
Flash Point, °C (°F)	ASTM D92	280 (536)	280 (536)	280 (536)
Pour Point, °C (°F)	ASTM D97	-33 (-27)	-30 (-22)	-30 (-22)
F Z G Gear Test , Fail stage	ISO 14635-1	>12	>12	>12

( A/8.3/90 )	/ DIN 51354			
Timken OK Load , lb	ASTM D 2782	75	75	75
Foam Test Seq 1 , ml	ASTM D 892	0/0	0/0	0/0

*The above characteristics are average values based on recent production .Minor variations which do not affect product performance are to be expected in normal manufacture.*

**WARNING:**

Continuous contact with used oil has caused skin cancer in animal tests. Avoid prolonged contact. Thoroughly wash exposed areas with soap and water. Keep out of reach of children. Don't pollute. Conserve resources. Return used oil and bottle to collection centers

Reference SDS Number 12084 database on our website at [www.amtecol.com](http://www.amtecol.com) OR scan the code for a direct link

