

VESTAN PAG GEAR LUBE



LUBRICATION



Synthetic food-grade industrial gear lubricant

APPLICATIONS

Enclosed gear boxes in food plants

- **VESTAN PAG GEAR LUBE** is a full synthetic food grade polyglycol lubricant formulated with selected additives to provide excellent performance in enclosed gear bearings, worm gears and compressors where conditions require the unique properties of these fluids. This fluid is ideal for the lubrication of worm gears
- Lubrication of gears operating under the most severe conditions (high shock loads, extreme temperatures and corrosive atmospheres). Incidental contact with water should be avoided since these fluids are water soluble.

PERFORMANCE

International and OEM Specifications

- DIN 51517 Part 3 - Group CLP
- NF-ISO 6743-6 category CKS/CKT
- David Brown, CMD
- NSF Category H-1, lubricants with incidental food contact

ADVANTAGES

High technical performance yields an excellent industrial gear lubricant

- Very high and shear stable viscosity index
- Incidental food contact permitted—USDA H-1 quality
- Low coefficient of friction: greater protection for non-ferrous parts, such as the bronze ring gear in worm gear systems, offering an energy savings up to 10% compare with mineral oil.
- Excellent thermal stability extends oil life
- Very good foam resistance
- Excellent extreme pressure and anti-wear properties
- Very high level of corrosion protection (sea water and acidic water)
- Non-staining to yellow metals

TYPICAL CHARACTERISTICS—VESTAN PAG GEAR LUBES

ISO Grade	150	220	320	460	680
AGMA grade	4	5	6	7	8
Density @ 60 °F, lbs./gal. ASTM D 1298	8.73	8.788	8.815	8.828	8.835
Viscosity at 40°C, cSt ASTM D 445	143	224	319	442	650
Viscosity index ASTM D 2270	229	238	247	259	268
Pour point, °F ASTM D 97	-49 (-45)	-49 (-45)	-44 (-42)	-44 (-42)	-44 (-42)
Flash point, COC, °F ASTM D 92	525(270)	505 (263)	510 (266)	515 (268)	525 (274)
Copper strip corrosion ASTM D 130	1B	1B	1B	1B	1B
FZG A/8, 3/90, fail stage DIN 51354/2	>13	>13	>13	>13	>13

Handling operations

- Polyglycol (or PAG) based lubricants, such as Carter PG are incompatible with most mineral and synthetic hydrocarbon oils (PAO)
- Compatibility with the gearbox components (seals, paints, etc.) must be checked

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