



## VARI-PURPOSE INDUSTRIAL & FLEET GEAR OILS

P. S. Vari-Purpose Gear Oils are specifically formulated and blended from carefully selected paraffin base stocks. These gear oils are compounded with exceptional additives to achieve the proper balance between high load carrying ability and excellent lubricity and film strength.

Especially appropriate for heavy construction and fleet equipment being subjected to severe service. Also compounded for heavily loaded industrial enclosed gears.

Formulated to be used in worm gears, transmissions and differentials that require an extreme pressure gear oil. Non-foaming, will not mix with water, tacky and has an additional E.P. and anti-wear. Especially appropriate where drain periods may be longer than normal due to equipment being away from home terminals or difficult access.

Meets and exceeds the following specs: MIL-PRF-2105E, MIL-L-2105D, API MT-1, API GL-5, Mack GO-H, US Steel 224, AGMA 250.04, and 60 O.K. Timken Load.

### PHYSICAL CHARACTERISTICS - TYPICAL

	300	500	1000	2000	2014	5000
AGMA No.	2	3	5	8	7	8A
SAE Grade	20	80	90	140	85W-140	250
Gravity, °API	30	26	24	23	25	17
Viscosity, SUS @ 100°F	300	500	1180	2200	1750	-
SUS @ 210°F	53	65	97	145	137	225
Viscosity Index	95	95	95	95	95	110
Pour Point, °F	-30	-20	-5	+10	0	+30
Base Oil Flash Point, °F	425	460	490	540	540	585
Color	Red	Purple	Purple	Purple	Purple	Purple

**PARAFFIN BASE STOCKS:** Paraffinic oils change less in viscosity as temperatures rise and fall. Paraffinic oils are more heat resistant and resist oxidation. Higher operating temperatures can be achieved without carbon and varnish build-up. Paraffin base oils provide more effective oiliness or lubricity, increased water resistance, higher flash and fire points, tougher film strength, and prolonged seal life.

**COMPLEX E.P. PACKAGE:** P. S. Gear Oils are compounded with proper balance between E.P. and anti-wear. P. S. Gear Oils carry a 60 O.K. TIMKEN LEVER LOAD to handle shock loads as well as substantially reduce temperatures and wear. This COMPLEX PACKAGE will provide outstanding performance under severe service and extended drains.

**NON-FOAMING:** P. S. Gear Oils are anti-foam inhibited with heavy-duty defoamers that will not dissipate during long drain periods and elevated temperatures. Foam and air entrapment causes seal seepage, heat build-up, and excessive wear.

**WATER SEPARATION:** P. S. Gear Oils will not mix with water. Condensation and moisture that may collect in the gear case can be drained off. This eliminates foam, excessive pressure on seals, rust and pitting due to the mixture of oil and water.

**TACKINESS AGENT:** P. S. Gear Oils contain special shear stable polymers that enable the gear oil to cling to or follow the gear train. This ensures better lubrication and temperature reduction. These gear oils will "STICK" to the metal surfaces and retain oil on lubricated parts during extended storage periods, and eliminate oil drain off.

### CONTAINER SIZES

35 Lb. Pail  
120 Lb. Keg  
420 Lb. Barrel