



TEXACO PINNACLE®

32, 46, 68, 150, 220, 320, 460

CUSTOMER BENEFITS

Texaco Pinnacle oils deliver value through:

- **Long lubricant life in high temperature operations** — The synthetic hydrocarbon base oils and proprietary additive package used in these products provide outstanding stability resulting in longer lubricant and equipment life.
- **Extended machinery life and increased compressor efficiency** — Oxidative stability and low carbon-forming tendencies minimize sludge and deposit formation
- **Extended drain intervals** — Longer lubricant life means less frequent oil changes.
- **High viscosity index and low pour point** — These result in very broad operating temperature ranges -46°C to 149°C (-50°F to 300°F) when compared with conventional mineral oil based lubricants.
- **Reduced oil consumption** — Low volatility means less oil goes downstream, and less oil is needed for makeup.
- **Reduced maintenance and downtime** — Trouble free operation and extended service intervals means reduced operating costs.
- **Excellent thermal and oxidation stability** — Reduces the formation of oxidation byproducts and acidic materials which cause deposits and varnish.

FEATURES

Texaco Pinnacle oils are synthetic circulating/non-EP bearing and gear lubricants.

They provide:

- excellent thermal and oxidation stability
- high viscosity index
- high flash point
- low pour point
- excellent hydrolytic stability

Texaco Pinnacle oils:

- are able to withstand relatively high temperature operations for extended periods of time
- have very good demulsibility characteristics allowing quick release of moisture
- minimize entrained air, which could result in reduced lubricant film thickness and potentially lead to pump cavitation

APPLICATIONS

Texaco Pinnacle oils are formulated to provide outstanding lubrication qualities for air compressors, especially portable and stationary rotary, vane and screw compressors.

Texaco Pinnacle oils are recommended for industrial bearings and gears, such as worm gears, that require an R&O type synthetic gear oil.

Texaco Pinnacle oils are designed for applications with wide operating temperature ranges. They are especially effective in high temperature applications, like sootblowers, where outstanding thermal and oxidative stability are required.

Do not use in high pressure systems in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

Do not use in breathing air apparatus or medical equipment.

TYPICAL TEST DATA

	32	46	68	150
<i>CPS Number</i>	222092	222053	222093	222096
<i>MSDS Number</i>	8983	8983	8983	8983
API Gravity	35.6	34.9	34.3	33.1
Viscosity, Kinematic cSt at 40°C cSt at 100°C	30.4 5.83	43.7 7.73	64.6 10.4	143 18.6
Viscosity, Saybolt SUS at 100°F SUS at 210°F	156 45.7	223 52.1	329 61.7	736 94.9
Viscosity Index	138	147	150	147
Flash Point, °C(°F)	252(486)	256(493)	256(493)	270(518)
Pour Point, °C(°F)	-65(-85)	-55(-67)	-52(-62)	-44(-47)
Rust Test, ASTM D 665A	Pass	Pass	Pass	Pass
Oxidation Stability Minutes to 25 psi pressure drop, minutes, ASTM D 2272	1000	1000	1000	1000
Four-Ball Weld point, kgf, ASTM D 2783	125	125	125	125

	220	320	460
<i>CPS Number</i>	222097	222098	222099
<i>MSDS Number</i>	8983	8983	8983
API Gravity	32.4	32.1	31.7
Viscosity, Kinematic cSt at 40°C cSt at 100°C	209 24.6	304 33.2	437 45.1
Viscosity, Saybolt SUS at 100°F SUS at 210°F	1081 121	1576 162	2254 218
Viscosity Index	147	152	160
Flash Point, °C(°F)	270(518)	270(518)	270(518)
Pour Point, °C(°F)	-31(-35)	-31(-35)	-29(-20)
Rust Test, ASTM D 665A	Pass	Pass	Pass
Oxidation Stability Minutes to 25 psi pressure drop, minutes, ASTM D 2272	1000	1000	1000
Four-Ball Weld point, kgf, ASTM D 2783	160	160	160

Typical test data are average values only. Minor variations which do not affect product performance are to be expected in normal manufacturing.