



ANVOR HD

PRODUCT DESCRIPTION:

ANVOR HD gear oils are synthetic PAO-based lubricants engineered to deliver exceptional protection for industrial gear systems. Formulated with an advanced additive system, they offer excellent defense against scuffing and superior resistance to micropitting fatigue. ANVOR HD oils are suitable for a wide range of applications, including reduction gearboxes, direct drives, angle drives, chain drives, gear couplings, hoist/winch gearboxes, screw feeder gearboxes, TL gearboxes, swing gearboxes, turret heads, workheads, and centralized circulation systems.

APPLICATION:

Typical applications include modern, high-load gearboxes used in industries such as paper, steel, oil, textile, lumber, and cement, where superior gear protection and extended oil life are essential.

FEATURES & BENEFITS:

- Superb protection from micropitting fatigue wear as well as high resistance to traditional scuffing wear
- Excellent resistance to degradation at high temperatures
- High viscosity index
- Excellent resistance to rust and corrosion
- Excellent shear stability
- Excellent seal compatibility

PERFORMANCE LEVELS: Meets or Exceeds:

- US STEEL 224
- AGMA 250.04
- DAVID BROWN TABLE E 2E-9E

TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	ANVOR HD							
			68	100	150	220	320	460	680	1000
ISO VG			68	100	150	220	320	460	680	1000
Kinematic Viscosity @ 104°F / 40°C	ASTM D7042	cSt	67.50	99.50	150	220	320	460	680	1000
Kinematic Viscosity @ 212°F / 100°C	ASTM D7042	cSt	10.42	14.18	22.2	30.4	40.6	54.1	75.5	99.4
Viscosity Index	ASTM D2270	-	141	145	176	180	181	184	192	192
Flash Point (min)	ASTM D92	°C	220	230	233	233	233	234	234	234
Pour Point (max)	ASTM D97	°C	-45	-45	-45	-39	-33	-27	-27	-24
4 Ball EP Test - Weld Load	ASTM D2783	kgf	200	200	200	200	200	200	200	200
4 Ball EP Test - Load Wear Index	ASTM D2783	kgf	51	51	51	51	51	51	51	51

DISCLAIMER: The test data presented above is for reference only and not a specification. It may vary within acceptable production tolerances. Alpha reserves the right to update this data, with the latest version of the Technical Data Sheet (TDS) taking precedence over previous versions.

HEALTH & SAFETY, ENVIRONMENT:

Extended and repeated exposure to oil may lead to skin issues. Avoid contact. If contact occurs, wash immediately with soap and water. Do not dispose of used oil in drains or the environment. Instead, take it to an authorized oil collection facility. For more safety information, please refer to the MSDS available on our website: www.alphaoil.ae

HEALTH & SAFETY:

When used correctly in the recommended application and with proper personal hygiene, this product is unlikely to pose significant health or safety risks. For detailed safety information, refer to the Safety Data Sheet (SDS), available upon request from your local sales office or online. www.alphaoil.ae

PROTECT THE ENVIRONMENT:

Dispose of used oil at an authorized collection point. Follow local regulations and avoid releasing it into drains, soil, or water.

STORAGE:

We recommend storing all packages under cover. If outdoor storage is necessary, drums should be placed horizontally to prevent water ingress and protect drum markings. Products should not be stored above 60°C or exposed to direct sunlight or freezing conditions.