



INFINOIL TITAN INDUSTRIAL GEAR OIL - SYNTHETIC

Manufacturer: **MICRATTO TECHNOLOGIES, MALAYSIA**

Product Description:

Vector HD are synthetic industrial gear oils designed to provide outstanding protection of gears and bearings, extended oil life even under extreme conditions, helping to enable problem-free operation of equipment and increased customer productivity. It contain an advanced additive system designed to provide excellent protection against scuffing as well as a high level of resistance against micropitting fatigue. Vector HD offers the potential for improved lubrication of gearbox rolling element bearings and outstanding rust and corrosion protection relative to conventional gear oils.

Application:

Typical applications include: modern, highly loaded gearboxes used in the paper, steel, oil, textile, lumber and cement industries where ear protection and optimum oil life are required.

Features & benefits:

- Superb protection from micro pitting fatigue wear as well ad 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 sear compability

Performance levels:

Meets and exceeds:

- AGMA EP 9005-E02 (ISO 150, 220, 320, 460, 680)
- DIN 51517-3 (CLP)
- ISO 12925-1 Type CKD (ISO 150, 200, 320, 460, 680)
- ISO 12925-1 Type CKT (ISO 150, 200, 320, 460, 680)

Typical Properties:

PARAMETERS	TEST METHOD	UNIT	VECTOR HD					
ISO VG			150	220	320	460	680	1000
Kinematic Viscosity @ 104°F /40°C	ASTM D-7042	cSt	150	220	320	460	680	1000
Kinematic Viscosity @ 212°F /100°C	ASTM D-7042	cSt	22.2	30.4	40.6	54.1	75.5	99.4
Viscosity Index (min)	ASTM D-2270	-	176	180	181	184	192	192
Flash Point (min)	ASTM D-92	°C	233	233	233	234	234	234
Pour Point (max)	ASTM D-97	°C	-45	-39	-33	-27	-27	-24
4 Ball EP Test - Weld Load	ASTM D-2783	kgf	200	200	200	200	200	200
4 Ball EP Test - Load Wear Index	ASTM D-2783	kgf	51	51	51	51	51	51

Health And Safety, Environment:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used in to drains or the environments. Dispose to and authorized used oil collection point.