PanaOIL
Think Efficient

MEDVAC EP

High performance synthetic PAO gear oil

Description

MEDVAC EP is specially formulated using Fully Synthetic Base Oil (Polyalphaolefin) and Robust Extreme Pressure additive to serve the stringent gearbox and bearing applications. Powered by safeguard protecting agent to enhance and protect modern gearboxes from micropitting thus support an extended oil life.

MEDVAC EP carefully selected it's special friction modifier additive, serves to reduce power consumption and support excellent energy efficiency.

Applications

MEDVAC EP is suitable for all type of closed gear and bearing operating under extreme condition of load, speed, and temperature. It meets all major OEM specification.

MEDVAC EP is compatible with mineral-based product, so easy to changeover from mineral products.

Specification Meets

- DIN 51517 Part 3 CLP
- ISO 12922-1 Type CKD
- ANSI/AGMA D9005-E02
- SEB 181226
- AIST 224
- Siement Rev. 13 for Flender Gear Units
- CM P-59, P-63, P-74

Advantages

- High viscosity index, ability to perform in wide range temperature
- Gives outstanding extreme pressure & wear protection
- Resistance to micropitting, helps to extend gear and bearing life
- Excellent thermal and oxidation stabilities, extended oil life
- Good compatibility with seals
- Low traction PAO for improving gear efficiency and durability
- Low friction coefficient, supports energy efficiency

Typical Data of MEDVAC EP

Characteristics	Unit	MEDVAC EP					Test Method
		150	220	320	460	680	
Color		L 0.5	L 0.5	L 0.5	L 0.5	L 0.5	ASTM D 1500
Density @ 15 °C	kg/L	0.8450	0.8476	0.8503	0.8531	0.8562	ASTM D 4052
Kinematic Viscosity @ 40 °C	cSt	150.26	220.5	321.2	461.27	684.48	ASTM D 445
Kinematic Viscosity @ 100 °C		19.23	25.64	34.09	44.46	61.22	
Viscosity Index		146	147	149	150	157	ASTM D 2270
Flash Point (COC)	°C	244	252	260	270	272	ASTM D 92
Pour Point	°C	-33	-30	-30	-30	-30	ASTM D 97
Sequence I : 24 °C	mL	0/0	0/0	0/0	0/0	0/0	ASTM D 892
Sequence II : 93.5 °C		0/0	0/0	0/0	0/0	0/0	
Sequence III : 24 °C after 93.5 °C		0/0	0/0	0/0	0/0	0/0	
Rust Protection, Sea Water	pass	pass	pass	pass	pass	pass	ASTM D 665
FZG A/8.3/90, Failed Load Stage		>12	>12	>12	>12	>12	ASTM D 5182
Timken-OK-Load	Lbs	>85	>85	>85	>85	>85	ASTM D 2782
Water Separability, time to 40/40/0 @ 82 °C	minutes	10	10	10	10	10	ASTM D 1401

** the typical characteristic mentioned represent mean values*

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