SYN GEAR 7000 Series

Descriptions

TACBECON Syn Gear 7000 series are synthetic hydrocarbon (PAO) gear and bearing oils. The base oil has excellent oxidation and thermal stability, and capable to operate in wide operating temperature range.

They are formulated with additives that provide excellent oxidation stability, anti-corrosion and anti-wear resistance; offering extended lubrication and protection.

These oils have better low temperature fluidity, higher flash point and lower start-up torque, compared to conventional gear and bearing oils.

Applications

TACBECON Syn Gear 7000 series generally is applicable as a circulating lubricant for all types of enclosed gear drives and anti-friction bearings.

Types of gear include the spur, helical, conical, hypoid and worm gears.

It is also used as impregnating oil for sintered bearings and bushings.

Compatibility

TACBECON Syn Gear 7000 series will not have compatibility issues with paints, seals, gaskets and hoses. A direct switch-over from mineral oils is possible without special precautions (system flushing) required.

Product Features

- Synthetic hydrocarbon (PAO) gear and bearing lubricant.
- Excellent oxidation stability.
- Compatible with mineral oils.
- Wide operating temperatures.
- Good low temperature fluidity.

Cautions

- Do not mix with other lubricants (unless stated).
- Fill oil to required level.
- Handle hot oil with care.
- Drain used oil completely during oil change.

Packaging Size

18-liters Pail
208-liters Drum

Typical Property	Test Method	SYN GEAR				
		7032	7046	7068	7100	7150
ISO viscosity grade	ISO 3448	32	46	68	100	150
Oil viscosity @40°C, cSt	ASTM D 445	30	43.2	64.2	95.8	154
Oil viscosity @100°C, cSt	ASTM D 445	5.7	7.7	10.2	13.4	21
Viscosity index	ASTM D 2270	135	150	143	141	153
Specific gravity @25°C	-	0.82	0.82	0.82	0.82	0.83
Flash point, °C min	ASTM D 92	231	235	242	250	248
Pour point, °C	ASTM D 97	-58	-50	-50	-42	-42
Corrosion protection	ASTM D 130	1A	1A	1A	1A	1A
Fourball weld load, kg	ASTM D 2783	250	250	250	250	250
Fourball wear scar, mm	ASTM D 4172	0.45	0.45	0.45	0.45	0.45
Timken OK load, lbs.	ASTM D 2782	35	35	35	35	35

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Typical Property	Test Method	SYN GEAR				
		7220	7320	7460	7680	7999
ISO viscosity grade	ISO 3448	220	320	460	680	1000
Oil viscosity @40°C, cSt	ASTM D 445	219	319.1	466	659	1076
Oil viscosity @100°C, cSt	ASTM D 445	26.5	35.2	46	64	86
Viscosity index	ASTM D 2270	159	156	157	164	164
Specific gravity @15°C	-	0.85	0.85	0.86	0.86	0.86
Flash point, °C min	ASTM D 92	259	239	247	240	233
Pour point, °C	ASTM D 97	-42	-42	-41	-41	-40
Copper strip corrosion	ASTM D 130	1A	1A	1A	1A	1A
Fourball weld load, kg	ASTM D 2783	250	250	250	250	250
Fourball wear scar, mm	ASTM D 4172	0.36	0.36	0.36	0.36	0.31
Timken OK load, lbs.	ASTM D 2782	50	50	50	50	45