

DESCRIPTION

Servosyngear HVI oils are industrial gear lubricants formulated from synthesized hydrocarbon based fluids combined with suitable additive package. These oils are of very high Viscosity Index suitable for use in widely varying temperature application. These oils provide excellent lubricity and reduce the frictional loss increasing the efficiency of the gear.

APPLICATION

These grades are recommended for lubrication of spur, helical, bevel, worm and hypoid gears which are extensively used in industries like steel, automotive, mining, construction, power etc. These products are hygroscopic in nature and do not separate from water. These oils provide improved gear protection even under severe load. The products are not miscible with mineral oil.

PERFORMANCE BENEFITS

- Very high Viscosity Index
- Excellent viscosity temperature behaviour.
- Reduced wear due to high load carrying capacity.
- Extended component life.
- Increased oil life.
- Low maintenance costs.
- Wide temperature application.
- Excellent resistance to oxidation and aging.
- Bulk oil temperature remains low

CHARACTERISTICS

ISO VG GRADE	100	220	320	460	680	1000
K. Vis. @ 40°C, cSt	90-110	198-242	288-352	414-506	612-748	950-1150
K. Vis. @ 100°C, cSt (T)	103.8	40.7	54.6	72.7	109.5	164
Viscosity Index, Min	200	220	220	220	220	250
Flash Point, COC, °C, Min	250	250	250	250	250	250
Pour Point, °C, Max	(-) 36	(-) 30	(-) 24	(-) 24	(-) 24	(-) 24
TAN mg KOH/gm, Max	0.80	0.80	0.80	0.80	0.80	0.80
FZG Load Stage, Pass (T)	14 +	14 +	14+	14 +	14 +	14 +
4 Ball, Weld Load, Kg (T)	200	200	200	200	225	225

HEALTH & SAFETY

These oils are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of industrial and personal hygiene are maintained.

For further information please contact our nearest office OR:

Technical Services Dept., Indian Oil Corporation Ltd., G-9, Ali Yavar Jung Marg, Bandra (East), Mumbai - 400 051

E-Mail: servotechserv@indianoil.in **OR** servots@indianoil.in