

BIODEGRADABLE GEAR AND BEARING FLUID

SynBio™ Series
SB-ES36

ES36 is a new technological and biodegradable lubricant formulated to meet the severe demands of synthetic gear and bearing fluids.

ES36 is recommended for gear reducers placed in sensitive zones where preventive recovery from leaks is not possible for the lubrication of spur pinion gears, bevel gears, planetary gears operating under high loads

ES36 performance includes:

- Contains specialty additives to maximize gear life allowing maximum load with minimum wear.
- Excellent filtration and high resistance to water infiltration.
- Outstanding thermal stability.
- Increased rust and corrosion inhibition even in the presence of water.
- Prolongs gasket and seal life and prevents oil leaks by not hardening, shrinking or swelling seals.

ES36 Meets the performance of:

- US Steel 224
- AGMA 250.04

ADVANTAGES:

- Biodegradable
- 100% Synthetic
- Safer than petroleum-based lubricants
- Protects against rust and corrosion
- Compatible with elastomers (gaskets, seals)

TYPICAL SPECIFICATIONS						
Product Code : ES36	/032	/046	/068	/100	/220	/320
ISO Grade	32	46	68	100	220	320
Viscosity (cSt @ 40°C) (ASTM D445) (cSt @ 100°C) (ASTM D445)	31 7	47 8.5	65 12.6	96.7 18.5	227 35	295 39.5
Viscosity Index (ASTM D2270)	198	159	198	252	202	186
Flash Point (°C) (ASTM D92)	> 260					
Pour Point (°C) (ASTM D97)	-54	-47	-38	-35	-32	-30
Density (g/ml) @ 15.6 °C	0.93	0.92	0.91	0.91	0.91	0.92
% Biodegradation OCDE 301B 28 days	>76					
Ecotoxicity OCDE 201 OCDE 202 OCDE 203	> 1000 mg/L > 1000 mg/L > 1000 mg/L					

