



COAST LUBRICANTS & INDUSTRIAL SUPPLY

BIODEGRADABLE GL-5 GEAR OIL

SynBio™ Series
SB-ES32

ES32 is a Biodegradable Synthetic Gear Oil specifically designed to meet the environmental requirements of mobile equipment operating in sensitive areas.

ES32 Bio 80W90 GL-5 is designed to meet/exceed the SAE J306 and SAE J2360 requirements for manual transmissions, differentials, and heavy equipment transfer cases.

ES32 bio-based formula combine a bio-synthetic base stocks with a new high performances additive package to provide a super high viscosity index (VI). The result is an inherently biodegradable product which has the long-life heat stability, but which additionally offers the protection advantages of increased gear life through extremely high film strength and excellent low temperature performance.

APPLICATION:

ES32 is recommended for industrial gears, manual transmissions, differentials, and heavy equipment transfer cases.

Consult the manual of the manufacturer for the appropriate grade.

Using Thermal-Lube's **COAT® system analysis program**, Thermal-Lube can certify that your equipment uses a biodegradable fluid that meets the OECD 301B standard.

BENEFITS:

- Biodegradable formula (OECD 301b ≥ 80%)
- Low aquatic toxicity
- Composed of a minimum of 80% renewable material
- Efficient operation over a wide temperature range
- Excellent hydrolytic and thermal stability - keep the system clean longer
- Exceptional oxidation stability allows extension of the intervals between oil changes
- High viscosity index - effective lubrication at high operating temperatures and very good performance at low operating temperatures
- Compatible with hydrocarbon and synthetic PAO based gear oils
- Compatible with a large range of seals (NBR, HNBR, AU an FPM).

AVAILABILITY:

20 liters, 60 liters, 205 liters and 1000L.

TYPICAL SPECIFICATIONS		
Product code: ES32	/759	/809
SAE Grade	75W90	80W90
Viscosity (cSt @ 40°C) (ASTM D445)	90	112
Viscosity (cSt @ 100°C) (ASTM D445)	15.5	17.9
API Classification	GL-5	
AGMA Grade	4EP	
Viscosity Index (ASTM D2270)	183	177
Flash Point (°C)	>210	>220
Pour Point (°C) (ASTM D97)	-43	-38
Density (g/ml)	0.92	0.93
Colour	Light Yellow	
OECD 301B 28 Days % Biodegradation	80	