**EP Gear Oil****FD 80W-90, 85W-140****Application**

EnviroLube FD 80W-90 and 85W-140 are premium extreme pressure hypoid gear oils for use on or off road in high torque differentials, gear boxes, steering gears and non-synchronised manual transmissions requiring API GL-5/MT-1 performance.

The correct choice of viscosity grade depends on the equipment, ambient temperature and operating severity. EnviroLube FD 85W-140 should be considered for use in preference to EnviroLube FD 80W-90 when ambient temperatures are higher than 32°C. Consult your equipment application guide for viscosity profile recommendations.

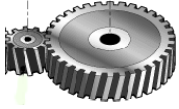
Features

The EnviroLube FD Series is formulated with double refined base oils to provide superior thermal stability in high power rated applications, on or off road.

EnviroLube FD 80W-90 and 85W-140 meet the requirements of API MT-1 and provide extra protection against thermal degradation, component wear and oil seal deterioration, which is not provided by lubricants that only meet the requirements of API GL-5.

Benefits

- ✓ Double Refined base oils provide outstanding thermal stability for extended product life under severe operating conditions
- ✓ An extreme pressure (EP) additive system protects components from welding, scuffing and fatigue from repeated shock loading
- ✓ Double refined base oils conserve vital petroleum resources



FD 80W-90, 85W-140

Safety

Your safety is important to EnviroLube. This material is classified as non-hazardous according to Worksafe Australia. However, it is recommended that the handling instructions in the Material Safety Data Sheet be followed to avoid risk of injury or irritation from exposure.

Specifications

The EnviroLube PowerTO Series fluids meet the performance requirements of

- API GL-5
- API MT-1
- SAE J2360
- MIL-PFR-2105E, MIL-L-2105D
- Mack GO-J

Typical Characteristics

Characteristic	Method	Units	80W-90	85W-140	Benefit
SAE Viscosity Grade	SAE		80W-90	85W-140	Covers a broad range of operating conditions
Density @ 15.6C	IP160	g/cm3	0.88	0.88	
Kinematic Viscosity @ 40°C	ASTM D445	cSt	140	284	
Kinematic Viscosity @100°C	ASTM D445	cSt	15	29	
Viscosity Index	ASTM D2270		108	137	Maintains low temperature performance
Pour Point	ASTM D97	°C	-30	-15	
Thermal Stability, API MT-1	L-60-1		Pass	Pass	Resistance to oil degradation and thickening
Shear Stability, KRL	CEC L-45-T-93		Stay in Grade		Maintains viscosity in service

Values provided are typical and do not constitute a specification