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# Product Data Sheet



NOTE: The information in this publication is the result of careful testing in our laboratories, complemented by selected literature. It does not in any way constitute a guarantee, nor does it serve as a license to operate any patent. Due to widely varying conditions of product use, which are beyond our control, it is strongly recommended that the product be tested for suitability. Product typical properties in this publication are current as of May 6, 2009.

## BIODEGRADABLE EP GEAR LUBRICANT

# ENVIROTECH EP GEAR OIL SERIES

*EnviroTech EP Gear Oils are environmentally responsible lubricants designed for the protection of gears and bearings in systems where high temperature and/or extreme pressure conditions exist. It is a vegetable based formulation recommended for lubricating spur, helical, bevel, and worm gear configurations. These biobased lubricants are intended for heavy-duty applications subject to heavy loading or shock loading. EnviroTech EP Gear Oils meet or exceed the following performance requirements:*

- U.S. Steel 224
- AGMA 9005/250.04
- DIN 51517, Part 3
- David Brown DB S1.53.101
- Cincinnati Machine E.P.

*Classified as ultimately biodegradable (Pw1) and non-toxic, EnviroTech EP Gear Oils are ideal for equipment operating in environmentally sensitive areas.*

## Physical Properties

PRODUCT	EP-150	EP-220	EP-320	EP-460
ISO Grade, Approximate	150	220	320	460
AGMA #, Approximate	4 EP	5 EP	6 EP	7 EP
Specific Gravity	0.900	0.903	0.900	0.908
Viscosity				
@40°C, cSt	131	166	252	382
@100°C, cSt	20	24.1	34	49
Viscosity Index	175	177	182	194
Pour Point °F(°C)	-8(-22)	-4(-20)	0(-18)	10(-12)
Flash Point °F(°C)	(550)288	536(280)	536(280)	536(280)
Copper Corrosion	1A	1A	1A	1A
Rust Test	Pass	Pass	Pass	Pass
Timken OK, lbs	70	70	70	70
Four-Ball Wear	0.3	0.3	0.3	0.3
Four-Ball EP Weld Point (kg)	250	250	250	250
Four-Ball EP Load Wear Index	47.86	47.86	47.86	47.86
FZG Test	12	12	12	12
Biodegradation Classification, ASTM D 5864	ultimate PW1	ultimate PW1	inherent	inherent