

## 9822, 9832, 9846 SYNOLEC® Gear Lubricant Technical Data

### PHYSICAL CHARACTERISTICS – TYPICAL:

	<u>9822</u>	<u>9832</u>	<u>9846</u>
ISO Grade	220	320	460
AGMA Grade	5EP, 5S	6EP, 6S	7EP, 7S
Gravity, °API	33.2	32.8	32.4
Viscosity			
SUS @ 100°F	1151	1663	2429
SUS @ 210°F	129	171	231
cSt @ 40°C	223	322	469
cSt @ 100°C	26.4	35.4	48.1
Viscosity Index, min.	151	156	162
Flash Point, °F (°C)	351 (177)	464 (240)	462 (239)
Pour Point, °F (°C)	-26 (-32)	-20 (-29)	-15 (-26)
Color	Green	Green	Green

### PERFORMANCE TEST RESULTS – TYPICAL:

Copper Strip Corrosion, ASTM D-130	1b	1b	1b
Timken EP, ASTM D-2782, lbs.	70	70	70
Rust Test, ASTM D-665B	Pass	Pass	Pass
Flender Foam Test	Pass	Pass	Pass
Flender Internal Coating Compatibility	Pass	Pass	Pass
FVA 54 Micropitting Test	Pass	Pass	Pass
FZG Test, Load Stage Pass	12	12	12
Four Ball EP			
LWI	80.6	85.2	89.1
Weld Point, kg	400	400	400
Four Ball Wear, ASTM D4172 B, mm.	.29	.28	.27
Foam Test, ASTM D892	0/0;0/0;0/0	0/0;0/0;0/0	0/0;0/0;0/0

### MEETS PERFORMANCE REQUIREMENTS OF:

Flender	U.S. Steel 224
AGMA 9005-E02	GMLS-2
Cincinnati Machine	
DIN 51517 (3)	
FVA 54 Micropitting	



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