



NYE SYNTHETIC OIL 605

Copper Deactivator, EP Fortified

A light viscosity, ester oil intended for powdered metal parts and gears with low volatility. Benefits include excellent oxidation stability and low wear characteristics.

The SmartGrease[®] Company

Ford: ESE-M99C115-A
GM: 12345982

Lubricant Properties			Typical Value	Test Method	
Recommended Service Range (°C)			- 40 to 150		
Color, Appearance			Clear-Light, Transparent		
Base Oil	Type		Ester		
	Kinematic Viscosity cSt (mm ² /s)	100°C	8.7	ASTM D-445	
		40°C	54		
		-40°C	45,063		
	Viscosity Index		139	ASTM D-2270	
	Flash Point (°C)		304	ASTM D-92	
	Fire Point (°C)		-	ASTM D-92	
Pour Point (°C)		- 54	ASTM D-97		
Evaporation	6.5 hours	204°C	-	ASTM D-972	
	24 hours	100°C	0.1 %		
Density	gm/cc	25°C	1.00	ASTM D-1480	
Refraction Index		25°C	1.4564	ASTM D-1218	
Copper Corrosion	24 hours	100°C	1A, No Corrosion	ASTM D-4048	
Copper Corrosion	24 hours	150°C	2A, No Corrosion	ASTM D-4048	
4 Ball Wear	60 min., 1200 RPM	400N	0.79 mm	ASTM D-2266	
		150N	0.29 mm		
Oxidative Stability	168 hours	150°C		FTM 5308	
	Viscosity Change	40°C	+ 0.2 %		
	Neutralization Change	mg KOH/g	+ 0.14		
	Metal Weight Loss mg/cm ²	Cadmium	+ 0.4		
		Aluminum	- 0.3		
		Copper	+ 0.1		
		Magnesium	- 0.1		
		Bronze	-		
	Steel	- 0.1			
Coefficient of Thermal Expansion			cc/cc/°C	0.0008	ASTM D-1903
Vapor Pressure					

The typical properties shown on this product data sheet should not be used as a basis for preparing specifications. Refer to our product Material Safety Data Sheet for detailed safety information. (0210)