



*"The First in Synthetics"*

**Extreme Pressure Fifth Wheel and  
Open Gear Lubricant in a  
Convenient Spray**

## **SYNTHETIC FIFTH WHEEL AND OPEN GEAR COMPOUND**

**AGMA 14R  
NLGI #1**

### **PRODUCT DESCRIPTION**

AMSOIL Synthetic Fifth Wheel and Open Gear Compound (GFW) is based on novel, proprietary technology resulting in a lubricant that does not use asphaltic materials, residual compounded oils or diluent solvents as part of the lubricant formulation.\* Typical gear compounds are composed of asphaltic and residual oils cut with solvent to ease application and use. Synthetic GFW does not require solvents to assist the product in application and use, even in cold weather. GFW meets the AGMA specification 14R for open gear lubricants.

AMSOIL GFW provides excellent adhesion to surfaces, resistance to water washout and protection against rust, corrosion and wear. GFW virtually eliminates common deficiencies of residual oils and asphaltic compounds such as narrow operating temperature range, flaking, poor adhesion, water washout and environmental concerns.

AMSOIL GFW is an aerosol spray product, making application quick, easy, neat and economical. Because AMSOIL GFW sprays on, less product is required to cover an application than is required with liquid or paste products.

### **PERFORMANCE FEATURES**

- Excellent resistance to water washout
- Environmentally preferable to solvent-containing formulations
- Protects ferrous surfaces from rust
- Excellent adhesion to metal surfaces
- Forms a tacky, tenacious film
- Heavy load-carrying and extreme-pressure performance
- Stays pliable at cold temperatures and does not flake off

### **APPLICATION RECOMMENDATIONS**

AMSOIL GFW may be applied to fifth wheels, open gears, wire ropes, chains, flexible couplings, sliding surfaces of drag lines and shovels, construction equipment, dredging equipment or any application where a heavy, tenacious lubricant is required.

GFW should be applied at an adequate coverage rate to ensure good lubrication and coverage of all mating surfaces. For easy application, apply at room temperature.

Relubrication intervals are based on environmental conditions and use. Manufacturers' recommendations and users' observations of surface conditions may be used to establish correct application rates and lubrication intervals.

### **WIDE OPERATING TEMPERATURE RANGE**

Because of the inherent cold-temperature properties of synthetic base materials, AMSOIL GFW stays fluid at cold temperatures. This dramatically eases application and allows the product to protect surfaces, where residual compounded oils and solvent-cut asphaltic products may not. In cold temperature applications, residual compounded or asphaltic products will typically flake off, leaving the surfaces unprotected against wear and weather, causing the relubrication interval to increase. AMSOIL GFW does not flake off in cold temperatures, but stays in place to provide long-lasting lubrication protection.

In warm temperatures, asphaltic materials soften and lose film strength, allowing component wear. AMSOIL GFW, a tacky lubricant, stays in place during warm temperature operations, providing heavy load carrying and extreme pressure performance, thus protecting surfaces and reducing the need for frequent relubrication.

### **ADHESION TO METAL**

AMSOIL GFW, with its synthetic base materials and highly polar nature, provides excellent adhesion to metal surfaces even in hostile environments. This is a tremendous advantage since compounded oils and solvent-cut asphaltic materials' adhesion are readily affected by the cleanliness of the metal surface. The ability of GFW to adhere to surfaces under a variety of conditions means greater protection, less maintenance and cleaner application.

\* Aerosol spray contains a solvent that evaporates quickly leaving a solvent-free film of material on treated surfaces.

# TYPICAL TECHNICAL PROPERTIES

## SYNTHETIC FIFTH WHEEL AND OPEN GEAR COMPOUND

NLGI Grade	.#1
AGMA Grade	.14R
Penetration, unworked	.315 - 325
Thickener type	.silica
Water Washout ASTM D-1264 (79° C/175° F, % loss)	.<5
Rust Test ASTM D-1743	.pass
Oil Viscosity	
212° F, sus	.2700 - 3100
100° C, cSt	.579 - 665
Dropping Point, °F	.non-melting
Color	.white
Texture	.adhesive/tacky
Odor	.bland

### PERFORMANCE DATA

AMSOIL Synthetic Fifth Wheel and Open Gear Compound meets the AGMA 14R and NLGI #1 performance specification.

### NEW EQUIPMENT UNDER WARRANTY

The use of AMSOIL Synthetic Fifth Wheel and Open Gear Compound will not void new equipment warranties. New equipment warranties are based on the use of fluids meeting specified physical and performance criteria. AMSOIL Synthetic Fifth Wheel and Open Gear Compound meets the performance criteria shown in "Performance Data" and may be used in equipment requiring products that meet the specification shown.

### INSTALLATION

AMSOIL Synthetic Fifth Wheel and Open Gear Compound is fully compatible with other fifth wheel and open gear compounds and may be applied to surfaces previously treated with other fifth wheel and open gear compounds.

### AMSOIL PRODUCT WARRANTY

AMSOIL synthetic lubricants are formulated to meet or exceed accepted automotive and industry standards. AMSOIL warrants that the use of its lubricants will not cause mechanical damage to mechanically sound equipment when AMSOIL products are used in full compliance with AMSOIL recommendations.

However, the purchaser of these lubricants is responsible for determining if these specifications are adequate and proper for the intended application. The AMSOIL warranty is limited to lubricant performance consistent with indicated specifications. No additional warranty, expressed or implied, can be made.

### AMSOIL PRODUCT AVAILABILITY

AMSOIL Synthetic Fifth Wheel and Open Gear Compound is available in 11.5 oz. aerosol spray cans.

AMSOIL products and Dealership information are available from your local AMSOIL Dealer.

