



Hicks Oils  
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# FORMULA 500

## GL-2 EP GEAR OILS

**Formula 500®** Gear Oils 68 through 460 have excellent oxidation and thermal stability allowing them to resist thickening produced by high temperatures. Formula 500® GL-2 Gear Oils are non-corrosive to gear and bearing materials such as steel, copper, bronze, Babbitt, and cadmium-nickel; these oils provide superior foam resistance and water separation. The low pour points of the lower viscosity grades make them suitable for gears and bearings exposed to winter weather.

Formula 500® Gear Oils excel in the lubrication of heavily loaded enclosed gear drives and reducers on drives of all sizes. Formula 500® Gear Oils lubricate a variety of gears including spur, bevel, herringbone, and worm designs. They are also suitable for industrial hypoid type gears where speed, temperature, and load are not excessive. Formula 500® Gear Oils can be used with bath, splash, circulating, and spray-type lubrication systems.

Formula 500® Gear Oils are ideal for applications such as steel mills where gear cases are often near red-hot steel; and use in circulating systems where water contamination is a hazard. Formula 500® Gear Oils are suitable for a wide variety of industrial and mobile equipment, gear systems, chain drives, sprockets, plain and anti-friction bearings, slide guides, flexible couplings, etc. Formula 500® Gear Oils are recommended for use in transmission gear cases and worm drive axles on mobile contractor type equipment and open pit and underground mining machinery.

Formula 500® Gear Oils meet the performance requirements of extreme pressure lubricants of the American Gear Manufacturer's Association (AGMA) Specification 9005-D94. They also meet US Steel specification 224 requirements, and API Service GL-2.

Formula 500® Gear Oils are not recommended for the lubrication of automotive hypoid gears, for which GL-5 Multipurpose Gear Oils are recommended.

### Typical Properties:

Product:	Formula 500 GL-2 EP Gear Oils					
ISO Viscosity	68	100	150	220	320	460
Product Code	1434	1435	1436	1437	1438	1439
Kinematic Viscosity @ 40 °C cSt (ASTM D-445)	68	100	150	220	320	460
Kinematic Viscosity @ 100 °C cSt (ASTM D-445)	9.1	11.8	15.0	19.4	25.0	32.0
Viscosity Index (ASTM D-2270)	110	105	100	100	100	100
AGMA number EP	2	3	4	5	6	7