



# PRODUCT DATA SHEET

## ZDDP SUPPLEMENT

Modern conventional motor oils lack the metal protection older engines require. Use as directed in gasoline & diesel engines, antique & classic cars, hot rods, trucks, motorcycles, tractors, agricultural & industrial machinery, off road and all racing applications to boost ZINC and PHOSPHOROUS ZDDP levels needed to protect flat tappet camshafts, lifters and other valvetrain components from wear. Designed for engines requiring SL / CI rated oil and older. This includes 2004 and older gasoline engines & 2006 and older diesel on-road engines.

- Rislone Hy-per Lube Zinc ZDDP Supplement is a petroleum oil performance “booster” containing ZDDP (zinc dialkyldithiophosphate) Zinc and Phosphorous EP (extreme pressure) additives along with mixed esters to help protect internal engine components including pistons, flat tappet camshafts, lifters, pushrod tips and the rest of the valve train.
- High performance formula stabilizes the motor oil to insure against viscosity and thermal breakdown.
- Reduces friction & wear, especially at start-up, helping to eliminate dry starts. Less friction means less wear and a cooler running, longer lasting engine.
- Clinging action keeps bearings and other internal engine parts lubricated where normal oil fails.
- Enhances regular motor oil turning it into a high performance lubricant for use in older engines and racing applications.
- Rislone Hy-per Lube ZDDP Supplement works with all petroleum-based motor oils including conventional, high mileage / kilometer and synthetic formulas to make newer oils backwards compatible for older and high performance engines.
- Protecting Engines Since 1921
  - Prevents Camshaft Wear
  - Reduces Piston Scuffing
  - Increases Engine Life

Oil Viscosity is approximately equivalent to a high 20 weight motor oil, which should not change existing motor oil viscosity at the recommended dosage rate.



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**NOTE:** Do not use as an engine break in additive. Rislone Engine Oil Supplement with Zinc Treatment contains the correct amount of ZDDP and other additives important to protecting your engine for everyday use.

### Directions:

For best protection, use with every oil change. Can be used during oil change, or added in-between oil changes. Do not overfill.

#### **GASOLINE ENGINES** (Cars & Light Trucks)

1996 and older – Add one bottle to engine crankcase.

1997 to 2004 – Add approximately ½ bottle (162 mL) to engine.

#### **DIESEL ENGINES** (Light, Medium & Heavy-Duty)

2006 and older – Add one bottle to engine crankcase for every 5 liters of oil capacity.

#### **OTHER APPLICATIONS**

For 4-stroke marine & motorcycles (non-wet clutch), agricultural, industrial and racing engines— Add 65 mL for every liter of capacity.

### TYPICAL TEST RESULTS INDICATE:

#### **GASOLINE ENGINES**

With typical SN rated oil at a 7% dosage rate expect levels to be raised to a total of:

Zn Zinc 1700 - 1800 ppm

P Phosphorous 1500 - 1600 ppm

TEST	ASTM	TYPICAL PROPERTIES
API Gravity @ 15.6°C	D-1298	24.1
Specific Gravity @ 15.6°C	D-4052	0.906
Density @15.6°C	D-1298	7.562
Flash Point	D-92	232°C / 450°F
Viscosity, cSt. @ 40°C	D-445	54.6
Viscosity, cSt. @ 100°C	D-445	8.5
Viscosity Index	D-2270	124
Pour Point °C	D-5949	-30
TBN	D-2896	6.5
ZINC, Mass %	D-6481	1.67
Calcium, Mass %	D-6481	0.23
Phosphorous	D-4294	1.49

**RISLONE**

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**ZINC ZDDP SUPPLEMENT**

Part #: 34405

325 mL (11 FL OZ)

Proven Technology. Hyper Performance.