



ZDDP SUPPLEMENT

Part #: 4405

11 FL OZ (325 mL)

Rislone® Hy-per Lube® Zinc 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 Phosphorus ZDDP levels needed to protect flat tappet camshafts, lifters, and other valvetrain components from wear. Specially designed for engines requiring SL/CI rated oil and older.

- 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 ensure 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, 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.



100% SATISFACTION GUARANTEE:

If you are not completely satisfied with the performance of our product, we will refund the purchase price. Visit www.rislone.com/refunds for details.



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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.

INSTRUCTIONS:

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 1/2 bottle (5.5 ounces) to engine.

2005 and newer – Add approximately 1/4 bottle (2.75 ounces) to engine.

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

2006 and older – Add one bottle to engine crankcase for every 5.5 quarts of oil capacity.

2007 and newer – Add 1/2 bottle to engine.

OTHER APPLICATIONS

For 4-stroke marine & motorcycles ATV (non-wet clutch), agricultural, industrial, and racing engines – Add 2 ounces for every quart of capacity.

TYPICAL TEST RESULTS INDICATE:

GASOLINE ENGINES

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

Zn Zinc 1700 - 1800 ppm

P Phosphorus 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