



Technical Data Sheet

Updated: 3/22/2018

HOT SHOT'S SECRET BLACK DIAMOND OUTLAW 15W-40 FULL SYNTHETIC Ultimate Engine Oil

Product Overview

Black Diamond Outlaw 15W-40 is a 100% pure poly- α -olefin (PAO) Group IV synthetic oil that requires a very small amount of viscosity improvers to meet the weight specifications. The infusion of our patented FR3 nano technology and CK-4 additive package provides unsurpassed levels of longevity and performance while keeping the oil cleaner longer and providing better mileage and horsepower.

Black Diamond Outlaw 15W-40 was formulated from CK-4 motor oil but with added extreme pressure additives, increased ZDDP (zinc), increased antimony and higher TBN.

Applications and Uses

Black Diamond Outlaw 15W-40 is recommended for heavy-duty trucks, agriculture, construction and industrial equipment, drilling rigs, stationary engines, turbo charged and racing engines where increased protection and TBN are preferred.

Black Diamond Outlaw 15W-40 is not intended for vehicles with DPF, catalytic converters, EGR or other emission equipment as damage to these systems could occur.

Benefits

- Increased TBN
- Extreme pressure additives
- Zinc levels nearly 3 times that of CK-4 oils
- Antimony levels over 400 ppm
- Improved boundary layer protection
- Improved cold weather starting compared to conventional oils
- Improves fuel economy up to 3%
- Oil consumption lowered 78% over CJ-4 spec oils
- Improved power
- Increased film strength
- Improved oxidation stability
- Improved aeration control
- Widens operating temperature range
- Anti-rust protection
- Reduces shearing
- Reduces friction
- Reduces deposit formation
- Reduces noise and vibration
- Extends oil change interval
- Extends injector, turbo and engine life



Black Diamond Outlaw 15W-40 can be ran up to 3 times longer than the manufacturer's recommended specifications. With the combined use of a Frantz Bypass Oil Filter, scheduled oil analysis program, and Hot Shot's Secret TBN Booster your oil can last up to 100,000 miles. Your oil filter should be changed at the manufacturer's recommended interval even if your oil is in spec.

Packaging

Available in:

- 1 quart bottle
- 1 gallon jug
- 5 gallon bucket
- 55 gallon drum

Typical Properties

Property	Test Method	Result
Total base number, mg/g	D-2896	14
Viscosity at 40°C, cSt	D-445	112.4
Viscosity at 100°C, cSt	D-445	14.9
Minimum flash point, °C (°F)	D-92	232°C (450°F)
Stable pour point, °C (°F)	D-97	-40°C (-40°F)

The Safety Data Sheet is available at
<http://www.hotshotsecret.com/print-documents/>