

# PROTECK™



**ELITE K MILLION MILE  
HEAVY DUTY ENGINE OILS**

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## MILLION MILE HEAVY DUTY MOTOR OILS

Today's heavy duty diesel lubrication requirements are more demanding and complex than ever. Only the most advanced oils can meet the difficult challenge of effectively balancing long life, extended drain intervals and emission control. PROTECK Elite K Engine Oils are specially engineered for heavy duty diesel and gasoline engines operating under service conditions.

- Wear protection significantly exceeds API CK-4 and the toughest OEM specifications
- High detergency and superior dispersancy keep engines and pistons clean and soot suspended in the oil despite longer drain intervals and increased soot loading
- Higher starting TBN (10) provides added oxidation control and protection against acid build-up that can cause rust and corrosion
- Excellent TBN retention (8.3 vs leading brands of 7.5) allows longer drain intervals
- Excellent oxidation control and piston cleanliness increases engine life
- Million Mile Tested additive technology on CK-4 products



### Typical Physical Properties of PROTECK Heavy Duty Oils

Viscosity Grade	Method	15W-40 CK-4	Synthetic Blend 10W-30 CK-4
Gravity, °API	ASTM D287	30.55	31.39
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8732	0.8687
Flash Point °C	ASTM D92	224	222
Flash Point °F	ASTM D92	435	432
Viscosity @ 40°C cSt	ASTM D445	116.1	82.06
Viscosity @ 100°C cSt	ASTM D445	15.66	12.21
Viscosity Index	ASTM D2270	143	145
Pour Point °C (°F)	ASTM D5950	-36°C (-33°F)	-39°C (-38°F)
Cold Cranking Simulator at [°C], cP	ASTM D5293	5398 (-20)	4500 (-25)
High Temperature/High Shear Vis at 150 °C, cP	ASTM D5481	4.3	3.5
Noack Volatility, % loss	ASTM D6375	10	13
Color	ASTM D1500	3	2.5
Zinc, wt. %	ASTM D5185	0.127	0.127
Phosphorus, wt. %	ASTM D5185	0.115	0.115
Calcium, wt. %	ASTM D5185	0.105	0.105
Sulfur, wt. %	ASTM D4951	0.32	0.32
Magnesium, wt. %	ASTM D5185	0.1	0.1
Molybdenum, wt. %	ASTM D5185	0.0066	0.0066
Sulfated Ash, wt. %	ASTM D874	0.99	0.99
Nitrogen, wt. %	ASTM D4629	0.105	0.105
Pumping Viscosity at [°C], cP	ASTM D4684	21,600 (-25)	23,000 (-30)
TBN, mgKOH/g	ASTM D2896	10	10

	Pack Size	Item #	Each UPC	Case UPC	Case SCC	Case Dimensions	Case Cube/ Pallet Cube	Case Weight/ Pallet Weight	Pallet Stack
15W-40	12/1 Quart	110603	0-71621-68077 3	0-71621-68078 0	1 00 71621-68080 0	L 13.25" x W 10.25" x H 9.25"	.727/77.5	24.99/2098.82	84 cases (6 layers of 14)
	4/1 Gallon	110604	0-71621-68075 9	0-71621-68076 6	1 00 71621-68079 4	L 15.875" x W 8.875" x H 12.5"	1.019/61.111	32.7/1700.46	52 cases (4 layers of 13)
	Bulk	00G75419							
10W-30	12/1 Quart	TBD	TBD	TBD	TBD	TBD	TBD	TBD	84 cases (6 layers of 14)
	Bulk	00G71304							