

PROTECK™



**ELITE J 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 J Full Synthetic Engine Oils are specially engineered for heavy duty diesel and gasoline engines operating under most service conditions.

- 1-3% fuel savings vs. a traditional 15W-40 to Full Synthetic vs. Conventional 15W-40
- Wear protection significantly exceeds API CJ-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 CJ-4 products
- PROTECK Elite J Full Synthetic 5W-40 Motor Oil is engineered using a PAO for heavy duty diesel and gasoline engines operating under all service conditions



Typical Physical Properties of PROTECK Elite J Oils

Viscosity Grade	Method	Fully Synthetic 5W-40 CJ-4	10W-30 CJ-4	15W-40 CJ-4
Gravity, °API	ASTM D287	33.57	31.48	29.85
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8572	0.8682	0.877
Viscosity @ 40°C cSt	ASTM D445	87.75	76.95	118
Viscosity @ 100°C cSt	ASTM D445	14.76	11.93	15.7
Viscosity Index	ASTM D2270	177	150	141
Pour Point °C (0°F)	ASTM D5950	-45C (-49°F)	-39°C (-38°F)	-36°C (-33°F)
Cold Cranking Simulator at (°C), cP	ASTM D5293	6535 (-30)	5369 (-25)	5800 (-20)
High Temperature/High Shear Vis at 150 °C, cP	ASTM D5481	3.5	3.5	4.2
Noack Volatility, % loss	ASTM D6375	13	14.6	12
Color	ASTM D1500	2.5	2.5	3
Sulfated Ash, wt. %	ASTM D874	0.99	0.99	0.99
Pumping Viscosity at (°C), cP	ASTM D4684	24,113 (-35)	24,900 (-30)	20,000 (-25)
TBN, mgKOH/g	ASTM D2896	10	10	10