



HEAVY-DUTY DIESEL SYNTHETIC BLEND MOTOR OIL

SAE 15W-40

DESCRIPTION:

PEAK® Heavy Duty Diesel 15W-40 CK-4/SN Synthetic Blend Motor Oil is designed to meet all OEM's latest diesel engine high temperature performance demands and deliver real cold weather performance. Recommended for use in high-performance, low-emission diesel engines equipped with EGR (Exhaust Gas Recirculation), Diesel Particulate Filters and SCR (Selective Catalytic Reduction) systems.

BENEFITS:

- Approved for OEM extended service drain intervals in on-highway medium to heavy duty engine applications
- Synthetic blend formula promotes low temperature pumpability providing faster oil flow for cold weather start-up protection
- High viscosity index delivers significant fuel savings benefit and same superior engine lubrication protection as SAE 15W-40
- Enhanced Oxidation Control - dual anti-oxidant chemistry extends stay-in-grade viscosity protection life. Combats acid formation and thermal viscosity breakdown
- Superior Corrosion Prevention - robust chemistry boosts and extends reserve alkalinity capability neutralizing harmful corrosive acid formation up to 2X longer than previous API CJ-4 heavy duty motor oils.
- Outstanding Deposit Control - outstanding piston and cylinder deposit control surpassing all new performance standards for engine cleanliness
- Improved Oil Aeration Control - improves ability to lubricate parts, mitigate oil flow cavitation and control oxidation effectively

APPLICATION:

Approved: API CK-4/SN, CUMMINS CES 20086, DETROIT DIESEL DFS 93K222, Ford WSS M2C171-F1, MACK/VOLVO E0S-4.5, RENAULT RLD-4. Meets, or exceeds specifications for API CJ-4, CI-4 PLUS, CI-4, CH-4/SN, SM, SL, SJ, ACEA E9-2012, E7, MACK/VOLVO EO-O Premium Plus, EO-O, VDS 4.5, VDS-4, VDS-3, CATERPILLAR ECF-3, ECF-2, CUMMINS CES 20081, DETROIT DIESEL DFS 93K218, DAIMLER MB 228.31, MAN M3575, MTU CATEGORY 2.1 and RENAULT RLD-3. Suitable for use in all diesel and gasoline engines, including turbo-charged models.



SHIPPING INFORMATION:	6/1 Quart	3/1 Gallon	5 Gallon Pail	6 Gallon Bag-n-Box	55 Gallon Drum
Unit Weight (lbs.)	2.0	8.17	8.17	8.17	450
Case/Pallet Weight*	12.3/1,973	24.53/1,325.56	40/1,730	43/1,856	1850
Units per Pallet	936	156	42	42	4
Cases per Pallet	156	52	-	42	-
Units per Truck	20,592	3276	882	882	84
Cases/Pallets per Truck	3,432/22	1092/21	42/21	42/21	21
Case Size (inches)	9.5 x 7.6 x 9.6	13.5 x 7.9 x 11.8	-	19.0 x 7.5 x 13.0	-
Cases per row/Rows high	26/6	13/4	14/3	7/6	-
Pallet Size (inches)	40 x 48 x 61.4	40 x 48 x 54.9	40 x 48 x 54.9	40 x 48 x 54.9	46 x 48 x 40.5

PRODUCT INFORMATION:

Typical Properties	15W-40				
API Gravity	30	6/1 Quart Part#	P4MB576-01	Pail Part#	P4MBK55
Viscosity @ 40°C, cSt	111	Label UPC Code	0-74804-05581-8	Pail UPC Code	0-74804-05775-1
Viscosity @ 100°C, cSt	15.5	Carton UPC Code	0-74804-15581-5		
Viscosity Index	146	SCC-14 Code	1-00-74804-05581-5	Bag-n-Box Part#	P4MS5BX6-01
Pour Point, °C	-32			Box UPC Code	0-74804-06226-7
Flash Point, °C	231	3/1 Gallon Part#	P4MB53G-01		
Borderline Pumping, °C	-20	Label UPC Code	0-74804-05582-5	Drum Part#	P4MB51-01
Sulfated Ash wt%	1	Carton UPC Code	0-74804-15582-2	Drum UPC Code	0-74804-05583-2
TBN	10	SCC-14 Code	1-00-74804-05582-2	Bulk Part#	P4MS50-01



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PEAK Commercial & Industrial Heavy Duty Motor Oils meet, and exceed, the demand for robust motor oil that resists oxidation from severe exposure to high operating temperatures and mechanical agitation. In 80,000 mile oil drain interval field testing PEAK Commercial & Industrial Heavy Duty Motor Oils continued providing excellent wear protection and maintained engine cleanliness.

PEAK Heavy Duty Diesel Motor Oil	Conventional & Synthetic Blend	Full Synthetic	Conventional & Synthetic Blend
SAE Grade	15W-40	5W-40	10W-30
API Service CK-4	X	X	X
API Suitable Service CJ-4, CI-4 PLUS, CI-4, CH-4	X	X	X
API Suitable Service SN, SM, SL, SJ	X	X	
ACEA E9-2012, E7	X	X	X
Mack EOS-4.5, EO-O Premium Plus, EO-N	X	X	X
Volvo VDS-4.5, VDS-4, VDS-3	X	X	X
Caterpillar ECF-3, ECF-2	X	X	X
Cummins CES 20086, 20081	X	X	X
Detroit Diesel DFS 93K222, 93K218	X	X	X
Daimler MB 228.31	X	X	X
Ford WSS M2C171-F1	X		X
MAN M3575	X	X	X
MTU Category 2.1	X	X	X
Renault RLD-4, RLD-3	X	X	X

OEM Diesel Engine Oil Drain Interval (ODI) Recommendation Summary

Refer to OEM service literature for official oil drain interval details and recommended engine oil viscosity grade.

PEAK Heavy Duty Diesel Motor Oil		Conventional & Synthetic Blend	Full Synthetic	Conventional & Synthetic Blend
SAE Grade		15W-40	5W-40	10W-30
API Service CK-4		X	X	X
OEM	SERVICE	ODI		ODI
Cummins	Light (> 6.5 MPG)	50K Up to 80K w/Oil Guard		Contact OEM
	Normal (5.5 - 6.5 MPG)	35K		
	Severe (< 5.5 MPG)	25K		
Detroit Diesel	Efficient Long Haul (>7.0 MPG)	75K (DD15) 65K (DD13)		Contact OEM
	Long Haul (>6.0 MPG)	60K (DD15) 55K (DD13)		
	Short Haul (5.1-5.9 MPG)	45K (DD15) 40K (DD13)		
	Severe (<5 MPG)	35K		
Mack Volvo	Line Haul (6.1-7.0 MPG)	55K Idle >30%, use next shorter ODI		Contact OEM
	Regional Haul (4.8 - 6.0 MPG)	45K Idle >30%, use next shorter ODI		
	Heavy Haul (3.8-4.8 MPG)	30K		
Navistar	Light (> 6.5 MPG)	40K		Contact OEM
	Moderate (5.0 - 6.5 MPG)	30K		
	Severe (<5.0 MPG)	18K		
PACCAR	Normal, < 20% Idle	75K		Contact OEM
	Normal, > 20% Idle	50K		
	Severe	30K		
GM	Duramax 6.6L	75K Follow Oil-Life Monitor		Contact OEM
Ford	Power Stroke 6.7L	Up to 10K Recommended for severe duty or biodiesel applications. Follow Oil-Life Monitor		Up to 10K Follow Oil-Life Monitor

ODI = Oil Drain Interval.

K = 1,000 miles