

VALVOLINE™ ALL-FLEET PLUS™ E900 ENGINE OIL

Valvoline™ All-Fleet Plus™ E900 Engine Oils are formulated to provide enhanced oxidation control and shear stability demanded in modern diesel engines operating under a wide variety of service conditions, including engines with diesel particulate filters (DPF) and cooled exhaust gas recirculation (EGR). They are blended with premium basestocks and high quality additive chemistry to achieve the following benefits: high temperature piston deposit control, foam protection, soot dispersancy and oil-thickening control, oxidation inhibition, low temperature sludge protection, corrosion and rust inhibition, valve train wear protection and TBN retention. These motor oils provide excellent performance in local stop and go routes, on-and off-highway, farm, construction, and mining applications. All Fleet Plus meets all the requirements for Tier IV engines and is backwards compatible with Tier III.

In addition to the API licenses and OEM approvals listed below, All-Fleet Plus E900 is backwards compatible with older engines calling for Cummins CES20081 and/or CES20078, Detroit Diesel 93K218 and/or 93K215, Mack EO-O and/or EO-N, Volvo VDS-4 and/or VDS-3, Caterpillar ECF-3 and/or ECF-2, API CI-4, CH-4, CG-4, CF-4, CF, CE, CD, and CC, or Ford WSS-M2C171-E. Additionally, Valvoline All-Fleet Plus E900 meets the engine test requirements of API SN and all prior API gasoline categories, ACEA E9/E7, MB 228.31, MAN 3575, MTU 2.1, and Deutz DQC III-10LA.

Approvals and Licenses	15W-40	10W-30
API CK-4, CJ-4, CI-4 PLUS	X	X
API SN	X	**
Cummins CES 20086	X	X
Detroit Diesel 93K222	X	X
Mack EOS-4.5	X	X
Volvo VDS-4.5	X	X
Ford WSS-M2C171-F1	X	X
Typical Properties	15W-40	10W-30
Specific Gravity, 15 C	0.877	0.868
Viscosity @ 40 C, cSt	112	80
Viscosity @ 100 C, cSt	14.9	11.9
Viscosity Index	137	143
CCS Viscosity, cP	6600@-20	6600@-25
HTHS Viscosity, cP	4.2	3.5
Borderline Pumping Viscosity	Pass	Pass
Pour Point, deg. C	<-27	<-33
Total Base Number (D-2896)	10	10
Sulfated Ash, %	1.0	1.0
Zinc, wt %	0.127	0.127
Part Numbers		
Bulk	VV3850	VV3820
Tote	852824	853212
55 Gallon Drum	VV385	VV382
5 Gallon Plastic Pail	VV386	
1 Gallon Jug	773634	
12/1 Quart	VV388	

**Meets engine test requirements of API SN

Refer to Valvoline's Material Safety Data Sheet for health and safety instructions.

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This information only applies to products manufactured in the following location(s): USA, Canada

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