



DIESEL ENGINE OIL API: CK-4

SYNTHETIC / SEMI SYNTHETIC

Magic Plus Diesel Engine Oil API: CK-4 HD is a top tier heavy-duty engine oil that helps extend engine life in the most severe on and off-high-way applications while delivering outstanding performance in modern high output low-emission engines fitted with EGR, DPF, DOC and SCR - Adblue NOx reduction systems. The exceptional low-temperature fluidity and pump ability in combination with the sophisticated additive system ensure maximum engine wear performance and support longer engine life. It is designed for on-road vehicles meeting Euro VI and offroad vehicles meeting EU stage IIIA, IIIB, IV and US Tier 4 emissions standards.

Features & Benefits:

- Exceptional soot dispersancy and wear control
- Optimum DPF (Diesel Particulate Filter) life
- Exceptional cold start protection
- Significantly improved resistance deposit and oxidation

Applications:

Recommended for heavy duty vehicles requiring ACEA E6/ E7/ E9 and API CK-4 specifications. It exceeds the requirements of the heavy duty fleet such as Scania, MAN, Mercedes-Benz, Cummins, Volvo, IVECO, MTU, and Caterpillar.

Specifications, Approvals & Recommendations: (Meets / Exceeds)

SAE Grade	0W-30	0W-40	5W-30	5W-40	10W-30	10W-40
API	CK-4/SN	CK-4/SN	CK-4/SN	CK-4/SN	CK-4/SN	CK-4/SN
ACEA 2016	E6/E7/E9	E6/E7/E9	E6/E7/E9	E6/E7/E9	E6/E7/E9	E6/E7/E9
MB	-	-	228.51	228.51	228.51	228.51
Caterpillar	ECF-3	ECF-3	ECF-3	ECF-3	ECF-3	ECF-3
Volvo	VDS-4.5	VDS-4.5	VDS-4.5	VDS-4.5	VDS-4.5	VDS-4.5
Cummins	CES 20086	CES 20086	CES 20086	CES 20086	CES 20086	CES 20086
MAN	M3271-1/M3477/ M3677/M3775/ M3777	M3271-1/M3477/ M3575/M3775	M3271-1/M3477/ M3677/M3775/ M3777	M3271-1/M3477/ M3575/M3775	M3271-1/M3477/ M3677/M3775/ M3777	M3271-1/M3477/ M3575/M3775
Deutz	DQC IV-18 LA	DQC IV-18 LA	DQC IV-18 LA	DQC IV-18 LA	DQC IV-18 LA	DQC IV-18 LA
Renault	RLD-4	RLD-4	RLD-4	RLD-4	RLD-4	RLD-4
Scania	Low Ash	Low Ash	Low Ash	Low Ash	Low Ash	Low Ash
Mack	EOS 4.5	EOS 4.5	EOS 4.5	EOS 4.5	EOS 4.5	EOS 4.5
DDC	-	-	93K222	93K222	93K222	93K222
MTU	-	-	Type 3.1	-	-	-
JASO	DH2	DH2	DH2	DH2	DH2	DH2

Technical Data:

Parameters	ASTM	Unit	Typical Results					
			0W-30	0W-40	5W-30	5W-40	10W-30	10W-40
Viscosity Grade								
Viscosity @ 104 °F / 40 °C	D-7042	cSt	67.1	87.5	68.45	91.65	74.15	102
Viscosity @ 212 °F / 100 °C	D-7042	cSt	11.85	14.9	11.8	15	11.75	15.1
Viscosity Index	D-2270		175	180	170	173	154	156
Density @ 60 °F / 15 °C	D-4052	g/cm ³	0.848	0.849	0.864	0.865	0.878	0.879
Flash Point (min)	D-92	°C	226	228	230	230	234	234
Pour Point (min)	D-97	°C	-42	-42	-42	-42	-39	-39
TBN	D-2896	mg KOH/g	10	10	10	10	10	10

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil into drains or the environment. Dispose to an authorized used oil collection point. This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. For further information on Safety Guidelines please refer to MSDS available on our website magicplusoil.net

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