



DIESEL ENGINE OIL API: CH-4

MINERAL

Magic Plus API: CH-4 mineral oil is a diesel engine lubricant that provides proven protection of diesel engines operating in severe conditions for both On and Off-highway applications. Engine cleanliness is further enhanced through the use of high-performance dispersants to control sludge and deposits in pistons and other parts. The combination of active antiwear additives and good engine cleanliness controls engine wear, gives long engine life, maintains engine power and efficiency, and lowers service costs. It helps deliver excellent performance in both modern diesel engines as well as older models.

Features & Benefits:

- Heavy duty diesel engine oil for multiple operating conditions and wide range of vehicle brands
- Thermal and oxidation stability results in controlling sludge build-up and deposits
- Stay-in-grade shear stability helps reduce oil consumption and wear protection
- Excellent detergency/dispersancy characteristics result in cleaner engines and longer engine life
- Component compatibility such as longer gasket and seal life

Applications:

These heavy duty engine oils are recommended for all types of diesel and gasoline engines where the manufacturer specifies the API service CH-4/SJ.

Specifications, Approvals & Recommendations: (Meets / Exceeds)

- API: CH-4/SJ
- ACEA E7
- ACEA A3/B3/B4
- MB 228.3
- MAN M3275
- Volvo VDS-2
- Renault RLD-2
- MTU Type 2
- JASO DH1
- Mack EO-M/EO-L
- Cummins CES 20076
- DFS 93K215

Technical Data:

Parameters	ASTM	Unit	Typical Results				
			15W-40	15W-50	20W-50	20W-60	SAE 40
Viscosity Grade			15W-40	15W-50	20W-50	20W-60	SAE 40
Viscosity @ 104 °F / 40 °C	D-7042	cSt	114.1	109.5	174.2	201.35	151.4
Viscosity @ 212 °F / 100 °C	D-7042	cSt	15.3	15.2	19.6	24.1	15.5
Viscosity Index	D-2270		141	146	130	149	105
Density @ 60 °F / 15 °C	D-4052	g/cm ³	0.879	0.878	0.890	0.870	0.895
Flash Point (min)	D-92	°C	236	232	236	230	242
Pour Point (min)	D-97	°C	-33	-33	-24	-24	-15
TBN	D-2896	mg KOH/g	11	11	11	11	11

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

All statements, information, and data presented herein are believed to be accurate and reliable but are not to be taken as a guarantee, an express warranty, or an implied warranty of merchantability or fitness for a particular purpose, or representation, express or implied, for which Magic Plus and its affiliates assume legal responsibility.