



DIESEL ENGINE OIL API: CI-4

MINERAL

Magic Plus API: CI-4 mineral oil provides protection and performance in the latest high power heavy-duty diesel engines from European, US, and Japanese manufacturers. This formulation demonstrates extra high performance in the field in a wide variety of industries, applications, and mixed fleets. Selected detergent additives used in this formulation helps control accumulation of acids and chemical corrosion in various engine parts. It helps deliver significant improvements in wear protection, deposit control, and resistance to breakdown under high temperatures. It helps to lower maintenance and increase reliability of vehicles.

Features & Benefits:

- Lubricate a wide range of engines requiring API CI-4 or ACEA E7 performance lubricants, including those fitted selective Catalytic Reduction (SCR) and/or Exhaust Gas Recirculation (EGR) emission control technologies
- High thermal and oxidation stability
- Helps prevent oil thickening and formation of harmful deposits in all areas of engine
- Promotes extended engine service life and aids protection against wear and bore polishing
- Improved soot handling
- Excellent low temperature properties

Applications:

Modern heavy duty diesel engines from European, US, and Japanese manufacturers. Latest low emission engines especially those fitted with exhaust diesel particulate filters (DPF).

Mixed fleets of diesel engines (high speed, four-stroke, turbo-charged, or naturally aspirated). Off-highway heavy-duty commercial vehicles.

Four-stroke gasoline engines in mixed fleets of diesel and gasoline engines.

Specifications, Approvals & Recommendations: (Meets / Exceeds)

- API: CI-4/SL
- ACEA E7
- ACEA A3/B3/B4
- MB 229.1/228.3
- MAN M3275-1
- Volvo VDS-3
- Deutz DQC III-10
- Cummins CES 20076/77/78
- JASO DH1
- Mack EO-O N
- Renault RLD-2
- Caterpillar ECF 1A, ECF 2
- Allison C4
- DDC 93K215
- Global DHD-1
- MTU Type 2

Technical Data:

Parameters	ASTM	Unit	Typical Results		
			15W-40	15W-50	20W-50
Viscosity Grade					
Viscosity @ 104 °F / 40 °C	D-7042	cSt	114.1	155.0	174.2
Viscosity @ 212 °F / 100 °C	D-7042	cSt	15.3	19.5	19.6
Viscosity Index	D-2270		141	144.8	130
Density @ 60 °F / 15 °C	D-4052	g/cm ³	0.879	0.878	0.890
Flash Point (min)	D-92	°C	236	232	236
Pour Point (min)	D-97	°C	-33	-33	-24
TBN	D-2896	mg KOH/g	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

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