



ARVO D9000 MINERAL

PRODUCT DESCRIPTION:

ARVO D9000 is a high-performance engine oil designed to provide reliable protection for diesel engines operating in severe conditions across both on- and off-highway applications. Formulated with premium base oils and fortified with an advanced additive system, it ensures superior control over oil thickening caused by soot buildup and high-temperature oxidation. ARVO D9000 also helps reduce oil consumption while delivering excellent wear protection, enhancing engine durability and efficiency.

APPLICATION:

These heavy-duty engine oils are recommended for all types of diesel and gasoline engines where the manufacturer specifies API service CH-4/SJ. They are particularly well-suited for low-temperature environments, offering excellent pumpability in extreme conditions. Additionally, they are suitable for both on-road and off-road applications, including equipment exposed to extreme low-temperature operations. These oils are also compatible with moderate to high sulfur content fuels, ensuring reliable performance across various demanding conditions.V

FEATURES & BENEFITS:

- Improved oxidation stability to minimize deposit formation.
- Higher TBN to extend protection from acids caused by combustion.
- Better protection against valve train wear.
- Improved low temperature performance.
- Potential fuel economy improvement compared to conventional CH-4 heavy duty engine oils.

PERFORMANCE LEVELS / MEETS OR EXCEEDS:

- API CH-4/SJ
- DTFR 15B110
- MAN 3275
- ACEA E7, A3/B3/B4
- VOLVO VDS-2
- Renault RLD2
- MTU Type 2
- JASO DH1
- Mack EO-M/EO-L
- Cummins CES 20076
- DFS 93K215

TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	ARVO D9000					
			15W-40	15W-50	20W-50	20W-60	40	50
Grade			TBR	TBR	TBR	TBR	TBR	TBR
Kinematic Viscosity @ 104°F /40°C	D7042	cSt	TBR	TBR	TBR	TBR	TBR	TBR
Kinematic Viscosity @ 212°F /100°C	D7042	cSt	15.3	15.2	19.6	24.1	15.5	19
Viscosity Index (min)	D2270	-	135	135	120	120	95	95
Density@15°C/ 60°F	D4052	g/cm³	TBR	TBR	TBR	TBR	TBR	TBR
Flash Point (min)	D92	°C	220	220	220	220	220	220
Pour Point (max)	D97	°C	-33	-33	-24	-24	-9	-9

DISCLAIMER: The test data presented above is for reference only and not a specification. It may vary within acceptable production tolerances. Alpha reserves the right to update this data, with the latest version of the Technical Data Sheet (TDS) taking precedence over previous versions.

HEALTH & SAFETY, ENVIRONMENT:

Extended and repeated exposure to oil may lead to skin issues. Avoid contact. If contact occurs, wash immediately with soap and water. Do not dispose of used oil in drains or the environment. Instead, take it to an authorized oil collection facility. For more safety information, please refer to the MSDS available on our website: www.alphaoil.ae

HEALTH & SAFETY:

When used correctly in the recommended application and with proper personal hygiene, this product is unlikely to pose significant health or safety risks. For detailed safety information, refer to the Safety Data Sheet (SDS), available upon request from your local sales office or online. www.alphaoil.ae

PROTECT THE ENVIRONMENT:

Dispose of used oil at an authorized collection point. Follow local regulations and avoid releasing it into drains, soil, or water.

STORAGE:

We recommend storing all packages under cover. If outdoor storage is necessary, drums should be placed horizontally to prevent water ingress and protect drum markings. Products should not be stored above 60°C or exposed to direct sunlight or freezing conditions.