



ARVO ULTIMATE HD

SYNTHETIC / SEMI SYNTHETIC / MINERAL

PRODUCT DESCRIPTION:

ARVO ULTIMATE HD is a high-performance semi-synthetic heavy-duty diesel engine oil, specially designed to extend oil drain intervals and enhance engine longevity. It excels in demanding on- and off-highway applications, delivering superior performance in modern high-output, low-emission engines equipped with EGR. Additionally, ARVO ULTIMATE HD is fully compatible with advanced exhaust after-treatment systems, including DPF, DOC, and SCR. Its outstanding low-temperature fluidity and pumpability, combined with a sophisticated additive system, ensure maximum engine wear protection and prolonged engine life.

APPLICATION:

ARVO ULTIMATE HD is recommended for heavy-duty diesel engines, including modern Euro V/VI low-emission vehicles utilizing advanced technologies such as Diesel Particulate Filters (DPF), Selective Catalytic Reduction (SCR), Continuously Regenerating Traps (CRT), Diesel Oxidation Catalysts (DOC), and Exhaust Gas Recirculation (EGR). It is also suitable for high-performance diesel applications, including turbocharged engines with EGR technology, as well as older, naturally aspirated conventional diesel designs. Ideal for both on-highway heavy-duty trucking and off-highway applications, ARVO ULTIMATE HD is well-suited for industries such as construction, mining, quarrying, and agriculture.

FEATURES & BENEFITS:

- Excellent control of oil thickening due to soot build-up.
- Outstanding TBN retention for long drain intervals.
- Outstanding resistance to oil consumption, oxidation, corrosive and abrasive wear.
- Designed to control aeration exceptionally
- Excellent shear stability
- Improved oxidation stability

PERFORMANCE LEVELS / MEETS OR EXCEEDS:

SAE GRADES	0W-30	0W-40	5W-30	5W-40	10W-30	10W-40	15W-40
API	CK-4/SN	CK-4/SN	CK-4/SN	CK-4/SN	CK-4/SN	CK-4/SN	CK-4/SN
ACEA 2022	E9/E11	E9/E11	E9/E11	E9/E11	E9/E11	E9/E11	E9/E11
Caterpillar	ECF-3	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	VDS-4.5
Cummins	CES 20086	CES 20086	CES 20086	CES 20086	CES 20086	CES 20086	CES 20086
MB	-	-	228.31	228.31	228.31	228.31	228.31
MAN	M3775	M3775	M3775	M3775	M3775	M3775	M3775
Deutz	DQC III-18 LA	DQC III-18 LA	DQC III-18 LA	DQC III-18 LA	DQC III-18 LA	DQC III-18 LA	DQC III-18 LA
Renault	RLD3	RLD3	RLD3	RLD3	RLD3	RLD3	RLD3
Mack	EOS 4.5	EOS 4.5	EOS 4.5	EOS 4.5	EOS 4.5	EOS 4.5	EOS 4.5
DDC	-	-	93K222	93K222	93K222	93K222	93K222
MTU	-	-	Type 2.1	Type 2.1	Type 2.1	Type 2.1	Type 2.1
FORD	WSS-M2C171-F1	WSS-M2C171-F1	WSS-M2C171-F1	WSS-M2C171-F1	WSS-M2C171-F1	WSS-M2C171-F1	WSS-M2C171-F1



TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	ARVO ULTIMATE HD						
			0W-30	0W-40	5W-30	5W-40	10W-30	10W-40	15W-40
Grade									
Kinematic Viscosity @ 104°F / 40°C	D7042	cSt	TBR	TBR	TBR	TBR	TBR	TBR	TBR
Kinematic Viscosity @ 212°F / 100°C	D7042	cSt	11.9	15.1	11.9	15.1	11.8	15.2	15.3
Viscosity Index (min)	D2270	-	160	170	160	160	145	145	135
Density@15°C/ 60°F	D4052	g/cm ³	TBR	TBR	TBR	TBR	TBR	TBR	TBR
Flash Point (min)	D92	°C	220	220	220	220	220	220	220
Pour Point (max)	D97	°C	-39	-39	-39	-39	-36	-36	-33

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.