



FOR LATEST GENERATION ENGINES.



Daewoo Dima Zero

Daewoo Dima Zero CK-4 is an advanced fully synthetic heavy-duty diesel engine oil that helps extend engine life while providing long drain capability and potential fuel economy for modern diesel engines operating in severe applications. This product is formulated to deliver exceptional performance in modern and older hard-working engines. Daewoo Dima Zero is formulated to reduce pollutant emissions, such as HC, NOx, CO and particles and to protect and ensure longevity of post treatment anti-pollution systems, such as particulate filters (GPF, DPF) and three-way catalysts.

Daewoo Dima Zero CK-4 oils replace CJ-4 oils with the same viscosity grades and oil types (mineral / semi - synthetic / full-synthetic) and are backwards compatible down to CF-4 oils.

This product meets or exceeds the requirements of the latest API and ACEA industry specifications for diesel engine oils, as well as the requirements of many major American, and European engine manufacturers.

Available in SAE viscosity grades : 5W30, 10W30, 10W40 and 15W40.

Specifications : API CK-4/SN, CJ-4/CI-4; ACEA E6-12, E7-12, E9-12; MB 228.51, 228.31; MAN M3477, M3677; MTU Type 3.1; VOLVO VDS-4.5, VDS-4; Mack EO-O Premium Plus; Renault Trucks RLD-3; Cummins CES 20081, 20086; Caterpillar ECF-3; DEUTZ DQC III-IV LA; DDC 93K218, 93K222



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Daewoo Dima Zero FA-4 is an advanced fully synthetic heavy-duty diesel engine oil. It is lower in viscosity grades to help maximize fuel economy without compromising durability for next generation engines. However, Daewoo Dima Zero FE FA-4 is limited in backwards compatibility. Designed to provide optimized fuel economy for 2017 engines and beyond that are designed to capitalize on these improvements.

This product meets or exceeds the requirements of the latest API and ACEA industry specifications for diesel engine oils, as well as the requirements of many major American, and European engine manufacturers.

Available in SAE viscosity grades : 5W30 and 10W30

Specifications : API FA-4 ; CES 20087 ; DDC 93K223



Daewoo Dima Zero SAE 5W30 API CK-4/SN

Meets and exceeds: API CK-4/SN



TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.855
Viscosity @ 100°C, cSt	ASTM D445	10.5
Viscosity @ 40°C, cSt	ASTM D445	60
Viscosity Index	ASTM D2270	150
Cold Crank Simulator, cP	ASTM D5293	<6,600 @ -30 °C
Pour Point, °C	ASTM D97	-40
Flash Point, °C	ASTM D92	230
Total Base Number (TBN), KOH/g	ASTM D2896	10



AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk

Daewoo Dima Zero SAE 10W30 API CK-4/SN, ACEA E9

Meets and exceeds: API CK-4/SN, CJ-4/CI-4; ACEA E6-12, E7-12, E9-12; MB 228.51, 228.31; MAN M3477, M3677; MTU Type 3.1; VOLVO VDS-4.5, VDS-4; Mack EO-O Premium Plus; Renault Trucks RLD-3; Cummins CES 20081, 20086; Caterpillar ECF-3; DEUTZ DQC III-IV LA; DDC 93K218, 93K222

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.855
Viscosity @ 100°C, cSt	ASTM D445	10.5
Viscosity @ 40°C, cSt	ASTM D445	60
Viscosity Index	ASTM D2270	150
Cold Crank Simulator, cP	ASTM D5293	<7,000 @ -25 °C
Pour Point, °C	ASTM D97	-40
Flash Point, °C	ASTM D92	230
Total Base Number (TBN), KOH/g	ASTM D2896	10



AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk

Daewoo Dima Zero SAE 10W40 API CK-4/SN, ACEA E9

Meets and exceeds: API CK-4/SN, CJ-4/CI-4; ACEA E6-12, E7-12, E9-12; MB 228.51, 228.31; MAN M3477, M3677; MTU Type 3.1; VOLVO VDS-4.5, VDS-4; Mack EO-O Premium Plus; Renault Trucks RLD-3; Cummins CES 20081, 20086; Caterpillar ECF-3; DEUTZ DQC III-IV LA; DDC 93K218, 93K222

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.855
Viscosity @ 100°C, cSt	ASTM D445	12
Viscosity @ 40°C, cSt	ASTM D445	68.5
Viscosity Index	ASTM D2270	165
Cold Crank Simulator, cP	ASTM D5293	<7,000 @ -25 °C
Pour Point, °C	ASTM D97	-40
Flash Point, °C	ASTM D92	230
Total Base Number (TBN), KOH/g	ASTM D2896	10



AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk

Daewoo Dima Zero SAE 15W40 API CK-4/SN, ACEA E9

Meets and exceeds: API CK-4/SN, CJ-4/CI-4; ACEA E6-12, E7-12, E9-12;



TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.875
Viscosity @ 100°C, cSt	ASTM D445	15
Viscosity @ 40°C, cSt	ASTM D445	120
Viscosity Index	ASTM D2270	140
Cold Crank Simulator, cP	ASTM D5293	<7,000 @ -20 °C
Pour Point, °C	ASTM D97	-35
Flash Point, °C	ASTM D92	230
Total Base Number (TBN), KOH/g	ASTM D2896	10



AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk

Daewoo Dima One XT SAE 10W30 CJ-4/SN

API CJ-4/CI-4+/CI-4, SN/CF; ACEA E9-08, E7-08; MB 228.3; MAN M3575; MTU Type 3.1, 2.1; Volvo VDS-4; Renault Trucks RLD-3; Cummins CES 20081; Caterpillar ECF-2, ECF-3; Deutz DQC III-10 LA



TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.854
Viscosity @ 100°C, cSt	ASTM D445	10.5
Viscosity @ 40°C, cSt	ASTM D445	60
Viscosity Index	ASTM D2270	≥150
Cold Crank Simulator, cP	ASTM D5293	<7,000 @ -25 °C
Pour Point, °C	ASTM D97	-36
Flash Point, °C	ASTM D92	>230
Total Base Number (TBN), KOH/g	ASTM D2896	9



AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk

Daewoo Dima One XT SAE 10W40 CJ-4/SN

Meets and exceeds: API CJ-4/CI-4+/CI-4, SN/CF; ACEA E9-08, E7-08; MB 228.3; MAN M3575; MTU Type 3.1, 2.1; Volvo VDS-4; Renault Trucks RLD-3; Cummins CES 20081; Caterpillar ECF-2, ECF-3; Deutz DQC III-10 LA; Mack EO-O Premium Plus; DDC 93K218; Global DHD-1; JASO DH-2.



TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.854
Viscosity @ 100°C, cSt	ASTM D445	12
Viscosity @ 40°C, cSt	ASTM D445	68
Viscosity Index	ASTM D2270	≥150
Cold Crank Simulator, cP	ASTM D5293	<7,000 @ -25°C
Pour Point, °C	ASTM D97	-36
Flash Point, °C	ASTM D92	>230
Total Base Number (TBN), KOH/g	ASTM D2896	9



AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk

Daewoo Dima One SAE 10W40 CI-4/SL

Meets and exceeds: ACEA E7-12 (2012); ACEA A3/B4-12 (2012); API CI-4; API CH-4; API CG-4; API CF-4; API CF; API SL; MB-Approval 228.3; MB-Approval 229.1; MB 228.5; MB 228.3; Volvo VDS-3; Renault Truck RLD-2; Mack EO-N; Mack EO-M Plus; MAN M 3275; Cummins CES 20076; Cummins CES 20077; Cummins CES 20078; CAT ECF-2; CAT ECF-1-a; MTU Type 2; Deutz DQC III-10; Detroit Diesel DDC 93K215; Global DHD-1.



TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.868
Viscosity @ 100°C, cSt	ASTM D445	13.5
Viscosity @ 40°C, cSt	ASTM D445	89
Viscosity Index	ASTM D2270	145
Cold Crank Simulator, cP	ASTM D5293	<7,000 @ -25°C
Pour Point, °C	ASTM D97	-35
Flash Point, °C	ASTM D92	230
Total Base Number (TBN), KOH/g	ASTM D2896	11



AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk

Daewoo Dima One SAE 15W40 CI-4/SL

Meets and exceeds: ACEA E7-12 (2012); ACEA A3/B4-12 (2012); API CI-4; API CH-4; API CG-4; API CF-4; API CF; API SL; MB-Approval 228.3; MB-Approval 229.1; Volvo VDS-3; Renault Truck RLD-2; Mack EO-N; Mack EO-M Plus; MAN M 3275; Cummins CES 20076; Cummins CES 20077; Cummins CES 20078; CAT ECF-2; CAT ECF-1-a; MTU Type 2; Deutz DQC III-10; Detroit Diesel DDC 93K215; Global DHD-1.



TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.875
Viscosity @ 100°C, cSt	ASTM D445	15.7
Viscosity @ 40°C, cSt	ASTM D445	120
Viscosity Index	ASTM D2270	140
Cold Crank Simulator, cP	ASTM D5293	<7,000 @ -20°C
Pour Point, °C	ASTM D97	-34
Flash Point, °C	ASTM D92	220
Total Base Number (TBN), KOH/g	ASTM D2896	11



AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk

Daewoo Dima **Sky** SAE 15W40 CH-4/SJ, ACEA E7

Meets and exceeds: ACEA E7-12 (2012) API CI-4 API CH-4 API CG-4; API CF-4 API CF API SL MB-Approval 228.3; Volvo VDS-3 Renault Truck RLD-2 Mack EO-N Mack EO-M Plus; MAN M 3275 Cummins CES 20076 Cummins CES 20077 Cummins CES 20078; CAT ECF-1a CAT ECF-2 MTU Type 2 Deutz DQC III-10; Detroit Diesel DDC 93K215 Global DHD-1



TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.885
Viscosity @ 100°C, cSt	ASTM D445	14.5
Viscosity @ 40°C, cSt	ASTM D445	100
Viscosity Index	ASTM D2270	135
Cold Crank Simulator, cP	ASTM D5293	7000 @ -20 °C
Pour Point, °C	ASTM D97	-25
Flash Point, °C	ASTM D92	220
Total Base Number (TBN), KOH/g	ASTM D2896	10



AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk

Daewoo Dima **Sky** SAE 20W50 CH-4/SJ, ACEA E7

Meets and exceeds: ACEA E7-12 (2012) API CI-4 API CH-4 API CG-4; API CF-4 API CF API SL MB-Approval 228.3; Volvo VDS-3 Renault Truck RLD-2 Mack EO-N Mack EO-M Plus; MAN M 3275 Cummins CES 20076 Cummins CES 20077 Cummins CES 20078; CAT ECF-1a CAT ECF-2 MTU Type 2 Deutz DQC III-10; Detroit Diesel DDC 93K215 Global DHD-1



TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.885
Viscosity @ 100°C, cSt	ASTM D445	19.5
Viscosity @ 40°C, cSt	ASTM D445	165
Viscosity Index	ASTM D2270	125
Cold Crank Simulator, cP	ASTM D5293	9,500 @ -15 °C
Pour Point, °C	ASTM D97	-25
Flash Point, °C	ASTM D92	220
Total Base Number (TBN), KOH/g	ASTM D2896	10



AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk

Daewoo Dima **Pro** SAE 40/15W40 CF-4/SC

Meets and exceeds: API CF-4, CF-2, CF; Recommended for use in Caterpillar, Cummins, Detroit Diesel, Mack, Volvo, Scania, Renault, Iveco and many diesel engines.



TYPICAL PROPERTIES

		40	15W40
Density @ 15°C, kg/l	ASTM D1298	0.901	0.885
Viscosity @ 100°C, cSt	ASTM D445	14.5	14.5
Viscosity @ 40°C, cSt	ASTM D445	140	100
Viscosity Index	ASTM D2270	103	135
Cold Crank Simulator, cP	ASTM D5293	-	<7,000 @ -20 °C
Pour Point, °C	ASTM D97	-20	-25
Flash Point, °C	ASTM D92	220	220
Total Base Number (TBN), KOH/g	ASTM D2896	12	12



AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk

Daewoo Dima **Pro** SAE 50/20W50 CF-4/SC

Meets and exceeds: API CF-4, CF-2, CF; Recommended for use in Caterpillar, Cummins, Detroit Diesel, Mack, Volvo, Scania, Renault, Iveco and many diesel engines.



TYPICAL PROPERTIES

		50	20W50
Density @ 15°C, kg/l	ASTM D1298	0.905	0.885
Viscosity @ 100°C, cSt	ASTM D445	19.5	19.5
Viscosity @ 40°C, cSt	ASTM D445	205	165
Viscosity Index	ASTM D2270	105	125
Cold Crank Simulator, cP	ASTM D5293	-	<9,500 @ -15 °C
Pour Point, °C	ASTM D97	-20	-25
Flash Point, °C	ASTM D92	220	210
Total Base Number (TBN), KOH/g	ASTM D2896	12	12



AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk