



## Auto 1<sup>®</sup> Synthetic Blend Engine Oils

Auto 1<sup>®</sup> Synthetic Blend Engine Oils are formulated with hydrocracked base stocks exhibiting synthetic blend properties, which counteract acids, varnishes and deposits to extend engine life and maintain peak efficiency. Dyna-Plex 21C Dezol Engine Oils meet or exceed the current and past API license requirements, are backward compatible with old formulations, and provide the protection required for today's newer engines, including EGR engines.

Auto 1<sup>®</sup> Synthetic Blend Engine Oils provide outstanding protection against scuffing of highly loaded cams, hydraulic lifters and other valve train components, resulting in reduced engine wear and increased engine efficiency and power. Dyna-Plex 21C Dezol is an economical choice for fleets of diesel engines requiring an API Service Classification CK-4.

<u>PROPERTY</u>	<u>ASTM TEST METHOD</u>	<u>SAE 10W-30</u>	<u>SAE 15W-40</u>
Viscosity @ -25°C, cP	D-5293	6000	N/A
Viscosity @ -20°C, cP	D-5293	N/A	6000
Viscosity @ 40°C, cSt	D-445	78.00	110.00
Viscosity @ 100°C, cSt	D-445	11.80	15.10
Viscosity Index	D-2270	145	145
Flash Point, COC, °C	D-92	215	223
Flash Point, COC, °F	D-92	420	430
Pour Point, °C	D-97	-36	-33
Pour Point, °F	D-97	-33	-27
Color	D-1500	3.0	3.0
Gravity, °API	D-287	31.0	30.0
Sulfated Ash, %	D-874	1.0	1.0
Zinc, %	D-4951	0.13	0.13
Total Base Number (TBN)	D-2896	10	10

Meets or exceeds the following tests and requirements:

- API Service Classification – CK-4, CJ-4 (10W-30, 15W-40); SN, SM (15W-40)
- Caterpillar – ECF-2, ECF-3, C-13 (10W-30, 15W-40);
- Mack – EOS-4.5, EO-O Prem Plus '07, EO-N, T-11, T-12 (10W-30, 15W-40)
- Cummins – CES 20081, CES 20086 (10W-30, 15W-40)
- Detroit Diesel – 6V92TA, 1% SASH (10W, 30, 40); DFS 93K218, DFS 93K222 (10W-30, 15W-40)
- General Motors – 6.5L (RFWT) (15W-40)
- Navistar (International Harvester Company) – HEUI Foam (15W-40)
- Volvo – VDS-3, VDS-4, VDS-4.5 (10W-30, 15W-40)
- Global – DHD-1 (10W-30, 15W-40)
- JASO – DH-2 (10W-30, 15W-40)
- Mercedes Benz – P228.3 (15W-40)
- Daimler – MB 228.31 (10W-30, 15W-40)
- Renault – RLD-4, RLD-3 (10W-30, 15W-40)
- ACEA – E7-04, E2, E4, E9-2012 (10W-30, 15W-40)
- John Deere – Plus-50
- Ford – WSS-M2C171-E, WSS-M2C171-F1 (10W-30, 15W-40)

NOTE: Certain tests apply to specific SAE grades.