



DYNA-PLEX 21C® SHPD ENGINE OILS

Dyna-Plex 21C® SHPD Engine Oils provide optimum protection against low temperature deposits while controlling high temperature varnish. Their superior pumpability means a reduction in engine wear that often occurs in the first few minutes after start-up in cold temperatures.

Dyna-Plex 21C SHPD Engine Oils contain anti-wear additives which provide outstanding protection against scuffing of highly loaded cams, hydraulic lifters and other valve train components, resulting in reduced engine wear. In addition, oxidation inhibitors provide “oil thickening” resistance and rust inhibitors protect against rusting and corrosion of valve lifters, bearings, cylinder walls and other critical engine parts. Because of the shear stable viscosity modifier, Dyna-Plex 21C SHPD Engine Oils reduce oil consumption while improving fuel mileage, helping you reduce operating costs.

<u>PROPERTY</u>	<u>ASTM TEST METHOD</u>	<u>SAE 10W</u>	<u>SAE 20W</u>	<u>SAE 30</u>	<u>SAE 40</u>	<u>SAE 50</u>
Viscosity @ -25°C, cP	D5293	5000	N/A	N/A	N/A	N/A
Viscosity @ -15°C, cP	D5293	N/A	3500	N/A	N/A	N/A
Viscosity @ 40°C, cSt	D445	40.19	64.26	98.56	144.56	212.67
Viscosity @ 100°C, cSt	D445	6.72	8.92	11.64	14.54	18.49
Viscosity Index	D2270	123	113	100	99	98
Flash Point, COC, °C	D92	216	232	249	254	260
Flash Point, COC, °F	D92	420	450	480	490	500
Pour Point, °C	D97	-36	-29	-29	-24	-15
Pour Point, °F	D97	-33	-20	-20	-11	5
Color	D1500	2.0	2.5	2.5	3.0	3.5
Gravity, °API	D287	30.3	29.6	28.6	28.0	27.0
Sulfated Ash, %	D874	0.9	1.0	1.0	1.0	1.0
Zinc, %	D4951	.09	.11	.11	.11	.11
Total Base Number (TBN)	D2896	7.5	8.5	8.5	8.5	8.5

Meets or exceeds the following tests and requirements:

API Service Classification - CF-2, CF (30, 40, 50 wts)

Caterpillar - 1M-PC (30, 40 50 wts)

Allison - C-4 Transmission test demonstrated (10, 30 wts)

Detroit Diesel - 6V92TA, 1% SASH (straight wts)

NOTE: Certain tests apply to specific SAE grades.

EO-1/06.09.17