



Orion Natural Gas Engine Oils

Dyna-Plex 21C® Orion Natural Gas Engine Oils are premium low ash lubricants for natural gas fueled engines. They are formulated from a 100% paraffin base stock containing a high performance, low ash additive package.

Dyna-Plex 21C Orion Natural Gas Engine Oils have been formulated to provide exceptional deposit, wear, oil oxidation and oil nitration control in the high output, highly turbocharged natural gas engines. This low phosphorus package is designed to meet catalyst manufacturers' requirements.

<u>PROPERTY</u>	<u>ASTM TEST METHOD</u>	<u>SAE 30</u>	<u>SAE 40</u>	<u>SAE 15W-40</u>
Viscosity @ 40°C, cSt	D-445	103.61	135.00	113.00
Viscosity @ 100°C, cSt	D-445	11.67	14.00	14.50
Viscosity Index	D-2270	100	100	130
Flash Point, COC, °C (°F)	D-92	246 (475)	252 (485)	250 (482)
Pour Point, °C (°F)	D-97	-24 (-11)	-15 (5)	-30 (-22)
Color	D-1500	7.5	7.5	7.5
Gravity, °API	D-287	28.7	28.7	30.0
Sulfated Ash, % wt.	D-874	0.45	0.45	0.45
Phosphorus, % wt.	D-4951	0.028	0.028	0.028
Nitrogen, % wt.	D-3228	0.049	0.049	0.049
Zinc, % wt.	D-4951	0.033	0.033	0.033
Calcium, % wt.	D-4951	0.14	0.14	0.14
Total Base Number (TBN)	D-2896	5.0	5.0	5.0

Meets the following engine manufacturers' specifications for engines operating on dry, processed natural gas under normal conditions:

- Ajax (Cooper)
- Allis Chalmers
- Caterpillar
- Clark
- Cooper-Bessemer
- Cummins, Enterprise
- Detroit
- Fairbanks-Morse
- Ingersoll-Rand (Dresser)
- International Harvester (Navistar)
- Minneapolis Moline
- Morse (MEP)
- Superior (Cooper)
- Waukesha (Dresser)