



# PRODUCT DATA SHEET

## ATLANTIC RACE BLEND 50

### Product Description:

Race Blend 50 is a specially designed Racing Engine Oil for small block engines incorporating flat tappet pushrod actuated overhead valves. Application specific race engine oils are an essential component in maintaining competitive advantage. Many race engines are fitted with oversize bearings subject to increased load requiring high viscosity base oils to protect metal surface integrity. Pushrod actuated overhead valves fitted with flat tappets require special consideration as the nature of these units place significant stress on cam lobes. Hydro dynamic lubrication is deficient in protecting cam wear, so the addition of special anti-wear agents is required to maintain acceptable camshaft service life.

In consultation with world leading engine oil additive producers, engine builders and competition race enthusiasts, Atlantic Oils developed Race Blend 50 to fully satisfy the demands placed upon highly worked race engines. Atlantic Race Blend 50 is an SAE 20W-50 viscosity race oil designed to offer unsurpassed protection of all race engine components. Advanced multigrade properties ensure fast oil flow during start-up. High viscosity base oils with the addition of special flow enhancers and viscosity modifiers ensure maximum oil film strength for bearings subject to high load even at cold start-up. The addition of zinc dialkyldithiophosphate (ZDDP) anti-wear agents offers protection of cams from the abrasive action of flat tappets. Unlike some zinc anti-wear agents which are thermally activated, Race Blend 50 offers full cam protection even at cold start-up. The addition of proprietary synthetic polymers ensures that upper engine parts retain a protective oil film even after intervals of non-use, offering substantial wear reduction during start-up. Race Blend 50 20W-50 is NOT recommended for Diesel engines or vehicles fitted with catalytic convertors.



### Features and Benefits:

- Multigrade properties with the addition of flow enhancers ensures fast oil flow during cold starts.
- Group II hydrocracked high viscosity base oils ensures maximum protection of all moving parts especially oversized bearings under high load conditions.
- The addition of zinc dialkyldithiophosphate protects cams against the abrasive action of flat tappets.
- The addition of specially selected synthetic polymers ensures all upper engine parts retain a protective oil film, even after periods of non-use.
- High viscosity properties reduce the effect of lubricant thinning where methanol fuels are used.

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## Typical Data:

Test Description	Method	Units	Results
Density @ 15°C	ASTM D 4052	kg/L	0.885
Viscosity, Kinematic @ 40°C	ASTM D 445	cSt	185
Viscosity, Kinematic @100°C	ASTM D 445	cSt	19.8
Viscosity Index	ASTM D 2270	-	124
Cold Cranking Viscosity @ -15°C	ASTM D 5293	cP	-
Zinc	-	% wt.	0.150

## Specifications/ Performance Levels:

- **SAE Viscosity:** 20W-50

PACK SIZE	PRODUCT CODE
5 Litre	RAC20501
20 Litre	RAC20502
60 Litre	RAC20503
205 Litre	RAC20504



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