



Specification Sheet

Head Start[®]

Synthetic Two-Cycle Engine Oil



Benefits

- Engines idle and run smooth
- Prevents spark plug fouling
- Stabilizes fuel
- Decreases exhaust smoke
- Eliminates exhaust valve sticking
- Protects against wear and corrosion
- Mixes easily with gasoline
- Keeps fuel fresh in storage

Description

Head Start is a premium full synthetic two-cycle engine oil. Its ash less formulation helps prevent carbon deposits in the combustion chamber and spark plug fouling. Fuel stabilizers are added to keep the fuel fresh for easier starting and smoother idling. Whether pre-mixed or in an oil injection system, its formulation provides a durable lubricant film that protects against wear and corrosion.



Head Start can be used in oil injected engines or mixed to meet any manufacturer's gas to oil ratio:

	16:1	20:1	24:1	32:1	50:1
Gallons of gasoline	Ounces of oil to be added				
1	8	6	5	4	3
2	16	13	11	8	5
3	24	19	16	12	8
4	32	26	21	16	11
5	40	32	27	20	13
6	48	38	32	24	16

Applications

Head Start is recommended for use in all two-cycle engines, both pre-mix and oil injected. It can be used in chainsaws, outboard boat engines, lawn mowers, lawn and garden equipment, motorcycles, and personal watercraft. Further, Head Start's cold temperature properties and its ability to eliminate power valve sticking make it an excellent snowmobile oil.

Head Start was developed to be suitable for use in two-cycle engines; both pre-mix and oil injected, where the following specifications are recommended*:

TC
TC-W
TC-W2
TC-W3

*Head Start is not certified by the NMMA

Part Numbers

#40683 12 quart/cs

Specifications

Viscosity at 100°C, cSt (ASTM D-445)	8.82 cSt
Viscosity at 40°C, cSt (ASTM D-445)	54.0 cSt
Viscosity Index (ASTM D-92)	141
Flash Point °C (°F) (ASTM D-92)	104°C (219°F)
Pour Point °C (°F) (ASTM D-97)	-51°C (-59°F)