

# Product Information

A PRODUCT OF THE VALVOLINE COMPANY A DIVISION OF ASHLAND INC.



## Valvoline HD Extended Life Concentrate

2000/06

### Description

**Valvoline HD Extended Life Concentrate** is an engine coolant for trucks, busses, road building machines and industrial equipment, and fulfils the requirements of the most leading heavy duty engine manufacturers. The product is free of nitrites, amines, and phosphates, which makes it more friendly to the environment. Valvoline HD Extended Life Concentrate protects cooling-systems against frost, corrosion and overheating for at least 3 years, 7000 hours or 500.000 km. Suitable for open and closed cooling systems and aluminium engine blocks. The product is mixable with other coolants on basis of ethylene glycol, but that may shorten the long-life characteristics. The product can be mixed with water in several concentrations, depending on the desired freeze protection. (see table below).



### Approvals / Performance Levels

ASTM D-6210, D-3306  
SAE J 814, J 1034  
GM 1899 M, 1825  
Cummins 14603, 3666286  
Caterpillar EC-1  
Detroit Diesel 7SE298

Thermo King  
Link Belt  
M TEREX

TMC of ATA  
TMC of ATA  
Federal Spec.

RP-329B  
RP-338  
A-A-870A

### Properties

Test	Typical Property
<b>Water/Coolant</b>	
Freezing protection: 50/50 in °C	-37
Freezing protection: 60/40 in °C	-25
Freezing protection: 70/30 in °C	-20
Boiling Point: 50/50 in °C	128
Ph. 50% V/V (ASTM D1119)	9
Flash Point °C. (concentrate)	>121
Specific Gravity at 15,6 °C	1.12
Colour	Red
Waterpump Cavitation test ASTM D2809 at 100 h.	8

This information only applies to products manufactured in the following location(s): Europe

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US patented product.

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