

Document  
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E-mail: viscol@iafrica.com  
Website: www.viscol.co.za**TDS 133****SUBJECT: OIL SPECIFICATIONS****ENVIRONMENTAL & QUALITY MANUAL**  
*(in accordance with ISO 9001 & 14001)***VISCOL OAT ANTIFREEZE****Description & Characteristics:**

Viscol OAT Antifreeze is a high quality product containing aliphatic carboxylate anti-corrosion additives and is free of nitrite, silicate, amine, phosphate and borate. It reduces the freezing point of the cooling water and increases the boiling point. The anti-corrosion additives give protection to Aluminium, copper, cast iron and other metals used in cooling systems. Heat transfer is excellent compared to silicate containing coolants. Can be used in all heavy duty engines using emission control including EGR, DPF and SCR technology. Collectively, the additive inhibitors are known as Organic Additive Technology (OAT) and the colour is either translucent red or blue. *Caution: Some OEM's require the use of nitrate in heavy duty engine applications.*

**Specifications:**

ASTM D3306, ASTM D4985, SAE J 1034, BS 6480 (1992), AFNOR NF R15-601 and TSE 3582

**Physical Properties:**

<b>VISCOL ANTIFREEZE</b>	
Relative Density @ 15°C	1,112
Reserve Alkalinity ml 0,1, NHCL	5.6
Freezing 50% Point(°C)	-40
Freezing 33% Point (°C)	-20
Boiling Point(°C)	169,0

**Mixture Ratios:**

50% Dilution with deionized water: -34 deg. C protection\*. Service life of 1million Km's/12000 hours/6 years with no extender needed. Colour pale yellow/green.

\*These temperatures based on using a 103KPA radiator cap.

\*S2053

**Packaging:**

210 litre drums

20 litre drums

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**TDS 133**

**SUBJECT: OIL SPECIFICATIONS**

**ENVIRONMENTAL & QUALITY MANUAL**  
*(in accordance with ISO 9001 & 14001)*

**Performance Standards:**

ASTM D3306  
ASTM D 4985  
SAE J 1034  
BS 6580 (1992)  
AFNOR NF R15-601\*  
FFV Heft R443  
CUNA NC 956-16  
UNE 26361-88  
JIS K 2234\*  
NATO S 759

*(\* with the exception of reverse alkalinity)*

It also meets the performance requirements of the following OEM specifications:

Chrysler MS 9176  
Cummins 85T8-2 & 90T8-4  
Ford ESE M97B49-A, WSS-M97B44-D & ESD M97 B49-A  
GM 1899 M, US 6277 M & OPEL GM QL130100  
John Deere H 24 B1 & C1  
Leyland Trucks LTS 22 AF 10  
Mack 248, 324 (SNF) & B&W D 36 5600  
Mercedes MB 325.3  
Renault 41-01-001  
VAG TL 774F  
Volvo

**Packaging:**

210 litre      Plastic drums  
20 litre        Plastic drums

**Experienced personnel from our Technical Division are available for discussion on all aspects. Recommendations are given in good faith but without warranty. It is the user's responsibility to determine the suitability for his/her own use.**

**The products discussed are sold without any warranties either expressed or implied, including warranties of Merchantability and of fitness for particular purpose.**

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