



Document Number:

**TDS 031**Viscol cc  
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Website: www.viscol.co.za**SUBJECT: OIL SPECIFICATIONS****ENVIRONMENTAL & QUALITY MANUAL**  
*(in accordance with ISO 9001 & 14001)***VISCOL SERIES 3 ENGINE OILS SAE 10, 20, 30, 40, 50****Description:**

Viscol SAE monograde engine oils are premium quality single-viscosity engine oils formulated to meet the lubrication requirements of petrol and diesel engines, including turbo-charged units, under the wide variety of conditions encountered in present day transport, farming and contractor fleet operations. They ensure easy starting and better fuel economy because of lower internal friction and they provide efficient control of sludge and deposits, increased wear protection and enhanced oxidation stability. Made from paraffinic base stock blended with the best additives available to provide superior lubrication and engine protection under all service conditions.

**Performance benefits:**

Viscol SAE Engine Oils keep operating costs low and ensure maximum engine life for the following reasons:

- Correct viscosity within safe limits and efficient lubrication at all operating temperatures are assured. Owing to the very high viscosity index the viscosity of the oils are not excessively affected with change in temperature.
- They keep the engine clean internally and ensure full oil flow circulation to give maximum protection.
- They keep the piston rings and valves moving freely and so ensure maximum mechanical efficiency of the engine.
- They reduce engine wear to a minimum because they contain effective anti-rust, anti-corrosion and anti-wear additives.

**Performance Level:**

API Service Classifications SF/CC  
US Military specifications MIL-L-46152C and MIL-L-2104B  
SABS 1361 - 1982  
CCMC G2/D1 requirements  
Caterpillar API 1H2  
Daimler-Benz 227.1

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SAE GRADE	10	20	30	40	50
Density @ 15 deg C	0,878	0,884	0,890	0,893	0.900
Viscosity cSt @ 40 deg C	46	70	100	145	212
Viscosity cSt @ 100 deg C	6,8	8,95	11,44	14,76	19.0
Viscosity Index	101	101	101	101	101
Flash Point (COC) (deg C)	204	215	213	216	216
Pour Point (deg C)	-32	-27	-22	-16	-9
Sulphated Ash, % m/m max.	1,0	1,0	1,0	1,0	0.9
Total Base Number, mg KOH/g	8,0	8,0	8,0	8,0	7.4

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 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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