

**Specialists in Industrial & Automotive Oil**

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TDS063**SUBJECT: OIL SPECIFICATIONS**

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

VISCOL INDUSTRIAL GEAR OILS ISO 220, 320, 460, 680**Description & Characteristics**

Viscol Industrial Gear Oils are industrial extreme pressure gear oils made from superior quality high viscosity index base oils and blended with special additives. These oils have good anti-wear, anti-corrosion, anti-foam and high oxidation stability characteristics. They do not contain any lead based additives.

Specifications

Viscol Industrial Gear Oils meet the requirements of S.A.B.S. - CKS 443 Specification. They also meet DAVID BROWN Extreme Pressure Gear Oil approval and the requirements of many of the major gear manufacturers.

Performance Benefits

Viscol Industrial Gear Oils are extreme pressure gear lubricants for all designs of industrial gear sets with circulating and splash systems. The high VI base oils are blended with additives to provide anti-wear to reduce friction, anti-corrosion, anti-oxidation and anti-foaming. Their excellent thermal and chemical stability allow these oils to operate at high temperatures, bulk oil temperatures up to 100 - 120°C. They provide long service life and are available in ten (although not all are listed here) ISO viscosity grades with a Timken OK Load of 27kg.

Application

Viscol Industrial Gear Oils are suitable for all types of enclosed gear drives with circulating or splash lubrication systems. They are particularly recommended for gear sets working under heavy or shock load conditions at high temperatures. All the grades are in accordance with the leading gearbox manufacturers and AGMA specification for non active extreme pressure gear oils.

Product Specifications

ISO GRADE	220	320	460	680
Density @ 20°C kg/L	0,892	0,896	0,901	0,910
Viscosity @ 40°C	220	320	460	680
Viscosity @ 100°C	19,0	24	31	37
Viscosity Index	97	97	97	90
Pour Point (°C)	-19	-16	-13	-12
Flash Point (°C)	245	250	270	275
GRADES - A.G.M.A.	5	6	7	8
CROFT	E	F	G	H
DAVID BROWN	5	6	7	8
HOLROYD	L	M	H	-

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.

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