



Product Data

Castrol Viscogen® 4

Soft, adherent pumpable grease

Description

Castrol Viscogen® 4 contains a percentage of colloidal graphite and is therefore black.

Viscogen® 4 is a soft, exceptionally adherent and good pumpable grease for long-term lubrication of cams, open gears, wire ropes, slow running bearings etc at extreme pressure.

Viscogen® 4 is water stable and has good sealing properties in dusty atmosphere.

Features

- ◆ Extraordinary adhesion
- ◆ Optimum friction and wear protection by especially selected mixture of graphite
- ◆ Maximum wear protection against heavy and shock loads
- ◆ Smoothing of existing pitting on damaged components
- ◆ Resistant to hostile environments (weather, moisture, dust, vibration)
- ◆ Excellent corrosion protection
- ◆ Resistant to cold and hot water
- ◆ Retains its lubricity for extremely long periods
- ◆ Aging-resistant and shear-stable
- ◆ Easily pumpable

Uses

- ◆ Lubrication of mining equipment like
 - Open gears and cams in shovels, draglines and dredges,
 - Gears and slewing rings of cranes, shovels, stackers and reclaimers
- ◆ For winch gears, open gears of bottle washers, crane tracks, layshaft gears, threaded spindles of heavy crank presses
 - Highly loaded open worm gears, rack and pinion sets
 - Girth gears on kilns, ball and rod mills, crushers, open gears in wind mills
- ◆ For all types of wire ropes. Is not washed off by "all weather" application, does not drip off in summer, does not get brittle in winter.

Application

- ◆ Clean surfaces of lubricant residues before first application. Apply **Viscogen® 4** with a spatula or a hard brush to tooth flanks. Use grease gun or central lubrication system for grease fittings.
- ◆ Do not mix with other greases or fluids.

Castrol Viscogen® 4
11.05.2006, B1829/05

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All reasonable care has been taken to ensure that the information contained in this publication is accurate as of the date of printing. However, such information may, nevertheless, be affected by changes in the blend formulation occurring subsequent to the date of printing. Material Safety Data Sheets are available for all Castrol Industrial Australia products. The MSDS must be consulted for appropriate information regarding storage, safe handling and disposal of a product.

Industrial Lubricants and Services - Australia. GPO Box 5222BB, Melbourne VIC 3001

Technical Advice Line 1300 557 998

www.castrol.com.au

Sydney 02 9795 4800. Melbourne 03 9268 4200. Brisbane 07 3850 9300. Adelaide 08 8347 6200. Perth 08 9268 9288.

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Technical Data

Castrol Viscogen® 4	Unit	Value	Test Method
Colour	-	Black	-
Base	-	Metal soap, mineral oil solvent free	-
Consistency according to NLGI grade	-	2-3	DIN 51818
Worked penetration	0.1 mm	250-260	DIN ISO 2137
Shear stability			
Difference: Pw60-Pi	0.1mm	10-20	DIN ISO
Diff: P100,000-Pw60	0.1mm	20-40	2137
Dropping point	°C	+ 185	DIN 51801
	°F	+365	
Four ball ok load	N	5000	DIN 51350
Timken wear test 195 N	mg	1.5	SEB 181302
Water resistance at +90°C/+194°F	-	1 (minor change)	DIN 51807
Corrosion protection	-	Grade 0	DIN 51802
Oxidation resistance at 100h/100°C/212°F	Bar	0.5	DIN 51808
FZG special test A/2, 77/50 Load stage	-	-	DIN 51354
Temperature range	°C	-15 to +130	-
	°F	+5 to +266	

The above figures are typical values and do not constitute a specification.

Above data are based on extensive tests and practical experience. Considering the wide range of application requirements, they cannot, however, guarantee success in every single case. We therefore recommend practical trials. We reserve the right to change the product composition with a view to further improvement.

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Health, Safety & Environment

Viscogen 4 poses no significant hazard to the user. As a matter of good safety practice, minimize skin contact and avoid breathing mist or vapour. **Viscogen 4** is classed as non hazardous according to Worksafe Australia.

In line with safe handling practices, it is recommended that the handling instructions outlined in the Castrol Material Safety Data Sheet be followed.

Spillage:

SMALL – 20 litres or less

Soak up on Castrol Diatomaceous Earth or similar inert oil absorbent and arrange recycling (preferred) or disposal through an approved facility. Scrub contaminated area with suitable cleaner and water.

LARGE – greater than 20 litres

Contain as soon as possible and remove by best means available. Arrange recycling (preferred) or disposal through an approved facility.

Disposal:

Oils must not be allowed to enter ground water, water courses, sewerage or drainage systems. Refer to local waste disposal authority for legal requirements.

Storage and Handling

Combustible C2 liquid for storage and handling purposes. Store in a cool, dry, well-ventilated area out of direct sunlight. Avoid sparks, flames and other ignition sources. Store away from incompatible materials such as oxidizing materials. Reference should be made to Australian Standard AS1940 – The storage and handling of flammable and combustible liquids. Airborne mists of this product may ignite in the presence of an ignition source.

Product Removal

Bare metal surfaces:

Remove with Castrol Solvents or Castrol degreasers.

Hand cleaning:

Use any of the Castrol range of hand cleaners i.e. CareClean Plus.

Other surfaces:

Contact your local Castrol office in each State (see details front page).

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