



VALVE GREASE - SVG 102

Introduction

Petro-Canada SVG 102 is formulated specifically for the lubrication and protection of valves handling sour natural gas. Blended with the HT purity process Petro-Canada uses to produce 99.9% pure base oils and selected additives, this Calcium Sulfonate Complex valve grease protects valve parts from the corrosive action of hydrogen sulphide and moisture.

Features and Benefits

- **Excellent resistance to corrosion from hydrogen sulphide and moisture**
 - Protects components in the presence of water for extended component life
 - Excellent oxidation resistance for long lubrication life and reduced maintenance costs
- **Wide temperature/pressure operating range**
 - Single product suitable for wide application range
 - Good low temperature dispensability
- **Superior adhesive properties**
 - Protects moving valve parts
 - Excellent resistance to washout
 - Reduced grease usage
 - Excellent adhesion to metallic surfaces

Applications

SVG 102 grease is recommended for sealing and lubricating valve bodies and stems handling sour gas at natural gas plants. It is also suitable for similar applications where hydrogen sulphide is present in all phases of the operation.

SVG 102 grease has been used successfully in LPG and water injection applications in gas and petroleum crude fields.

What is the HT difference?

Petro-Canada Lubricants starts with the HT purity process to produce water-white, 99.9% pure base oils. The result is a range of lubricants, specialty fluids and greases that deliver maximum performance for our customers.



Typical Performance Data

PROPERTY	TEST METHOD	VALVE GREASE SVG 102
NLGI grade		1
Colour	PCM 264	Green Grey
Texture	PCM 264	Buttery
Appearance	PCM 264	Smooth
Oil Separation, mass %	D1742	Nil
Roll Stability, pen change, %	D1831	3.4
Dropping Point, °C, (°F)	D2265	262 (503)
Worked Penetration @ 25 °C	D217	324
Mobility, g/s @ -18 °C (0 °F)	PCM 533	0.03
g/s @ -35 °C (-31 °F)	PCM 533	0.013
Oxidation Stability, 100 hours, kPa (psi)	D942	20 (3)
Timken EP Test, Pass, kg (lb)	D2509	27 (60)
Four Ball Weld Point, kg	D2596	620
Four Ball Wear Scar Diameter, mm	D2266	0.5
Load Wear Index	D2596	63.4
Bearing Corrosion	D1743	Pass (1,1,1)
Copper Corrosion	D4048	1a
Water Washout, 79°C, %	D1264	1.5
Base Oil Viscosity, cSt @ 40 °C	D445	101
cSt @ 100 °C		11.2
SUV @ 100 °F		528
SUV @ 210 °F		63.5
Base Oil Viscosity Index	D2270	97
Base Oil Pour Point, °C (°F)	D97	-15 (5)

The values quoted above are typical of normal production. They do not constitute a specification.

To order product or to learn more about how Petro-Canada Lubricants can help your business visit: lubricants.petro-canada.com or contact us at: lubecsr@petrocanadalsp.com



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