

CAMERON TF-41 VALVE LUBRICANT

Standard Gate Valve Body Fill Lubricant · Supplied by PSC Group

Pt. No. 700668

Item No. 9702-01 · NLGI 2

Net Wt. 20 lbs · 120 lb pail: 700669



PRODUCT OVERVIEW

Cameron 700668 / TF-41 is a mineral-oil-based standard valve lubricant manufactured for **Cameron** (a SLB company) by Grease Craft Mfg. Co., USA. It is the standard body fill lubricant specified for Cameron gate valve body cavity lubrication, hydrostatic testing, storage, and shipping protection. Designed to displace water and contaminants, provide strong metal adhesion, and lubricate and seal gate surfaces as they enter the valve body cavity. Supplied in India, Dubai, and Houston by **PSC Group**.

KEY FEATURES & BENEFITS

Water & Contaminant Displacement

Effectively displaces water and contaminants from gate valve body cavities after hydrostatic testing or before storage and shipping.

High Metal Adhesion

Strong adhesion to internal metal surfaces ensures the lubricant remains in place on gates and cavity walls through valve operation cycles.

Gate Lubrication & Sealing

Lubricates and seals gate surfaces as they enter the body cavity, supporting smooth valve operation and internal protection against corrosion.

Storage & Shipping Protection

Suitable for valves being prepared for dispatch, long-term storage, or recommissioning after service — preserves internal surfaces.

Cameron Specified Grade

TF-41 is the standard Cameron-specified valve lubricant for gate valves, choke manifolds, and body cavity fill across oilfield and pipeline service.

Wide Temperature Range

Serviceable from -20°F to 250°F (-29°C to 121°C), covering standard oilfield operating and storage temperature conditions.

PRODUCT SPECIFICATIONS

Product Name	TF-41 Standard
Part Number	700668 (20 lb)
Item Number	9702-01
Grease Type	Mineral Oil Grease
Thickener	Inorganic
NLGI Grade	2
Appearance	Black Semi-Solid
Odor	Mild
Temperature Range	-20°F to 250°F
Flash Point (COC)	460°F / 238°C
Specific Gravity	0.9
Solubility in Water	Negligible
Vapor Density	<1
Net Weight	20 lbs pail
Country of Origin	Made in U.S.A.

APPLICATION PROCEDURE

- 1 Remove the grease fitting cap located on the side of the bonnet.
- 2 Thread a pressure relief fitting onto the grease fitting and vent all pressure from the valve body.
- 3 If there is no line pressure, place the gate in the partially open position to relieve body pressure.
- 4 Using a bucket-type or handheld grease gun, connect the coupler to the grease fitting.
- 5 Pump lubricant into the body cavity until it flows into the valve bore.

SERVICE INTERVAL GUIDANCE

Gate valves are lubricated during assembly. Re-lubricate the valve body cavity after every 10 operating cycles (1 cycle = 1 open + 1 close). Service interval may be extended if pressure is equalised across the valve before opening. Before returning a valve to line service after storage or removal, always re-lubricate the body cavity.

SUPPLIED BY PSC GROUP

EXTENDED PROPERTIES, SAFETY & PSC GROUP OFFICES

1 COMPLETE PROPERTIES

PARAMETER	VALUE
Lubricant Type	TF-41 Standard Valve Lubricant
Grease Type	Mineral Oil Grease
Thickener	Inorganic
NLGI Grade	2
Appearance & Odor	Black semi-solid, mild odor
Temperature Range	-20°F to 250°F (-29°C to 121°C)
Flash Point (COC)	460°F / 238°C
Specific Gravity	0.9
Vapor Density	<1
Solubility in Water	Negligible
Stability	Stable
Evaporation Rate	1 (ether = 1)
pH	Not applicable
Conditions to Avoid	Extreme heat or flame
Incompatibilities	Strong oxidizers, acids
Hazardous Decomp. Products	Carbon monoxide, smoke, fumes
Part Number (20 lb pail)	700668 Item 9702-01
Part Number (120 lb pail)	700669
Country of Origin	Made in U.S.A.
Shelf Life	4 years from manufacture date

2 RELATED CAMERON VALVE LUBRICANTS

PART NO.	DESCRIPTION	TEMP. RANGE	PACK
700668	TF-41 Standard Valve Lubricant	-20°F to 250°F	20 lb
700669	TF-41 Standard Valve Lubricant	-20°F to 250°F	120 lb
713837-02	TS-41 Diesel Resistant Valve Lubricant	-20°F to 350°F	25 lb
700680	HT-14S / HT-41 High-Temp Valve Lubricant	0°F to 450°F	25 lb

3 HANDLING & SAFETY (FROM MSDS)

VENTILATION:	Use with adequate ventilation. No hazardous ingredients identified under normal conditions of use.
SKIN:	Avoid prolonged or repeated skin contact. Oil-impervious gloves recommended for extended contact. Wash thoroughly after handling.
EYES:	Safety glasses recommended. If contact occurs, flush eyes thoroughly with water.
INGESTION:	Adverse health effects not expected under normal recommended conditions of use. Seek medical advice if swallowed.
FIRE:	Flash point 460°F (238°C). Combustion may produce carbon monoxide, smoke and fumes. Do not expose to extreme heat or flame.
STORAGE:	Store in cool, dry area in original or equivalent container. Keep away from heat sources.
DISPOSAL:	Dispose of waste per applicable federal, state, and local regulations.

4 PSC GROUP - GLOBAL OFFICES

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