



Formerly Known As: Whitmore EZ Switch

Shell Gadus (EZ Switch)

Switch Plate Lubricant

- Reduces Friction
- Wide Temperature Range
- Long Lasting Protection

Shell Gadus (EZ Switch) has distinguished itself as a switch plate lubricant that works. It is easy to apply; it forms a protective coating on the switch plate, resists rain, and stops wear.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

Features

After it is applied, Shell Gadus (EZ Switch) begins to dry on the switch. Operating the switch causes the lubricant to “plate out”. As the switch operates, the coating becomes denser in the contact area. This enhances wear protection.

How To Apply:

Shell Gadus (EZ Switch) can be used on all types of railroad switches, both manual and electric. It can be applied by pouring, brushing, or spraying. Completely cover the switch with the thinnest layer possible.

Rain:

Shell Gadus (EZ Switch) can be applied to wet switches, and it won't wash off in the rain. As it dries, it becomes even more resistant to rain.

Frequency of Lubrication:

With Shell Gadus (EZ Switch), a switch that operates twice as often does not need lubrication twice as often. Because of varying climates and operating conditions, it is impossible to give a hard-and-fast lubrication frequency.

- A good place to start is to lubricate all switches and revisit them after a week.
- Those that operate often or are subject to difficult conditions may need relubrication after one week.
- In extreme cases, more than once a week may be needed.
- In most cases, switches that are used less often will require lubrication cycles that are longer than a week.
- Most operators consider once a month as the longest interval for infrequently used switches.

Benefits

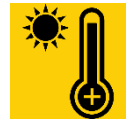
- REDUCES FRICTION AND WEAR - low coefficient of friction facilitates ease of switch operation. This minimizes effort and risk of injury on manual switches.
- LONG LASTING PROTECTION - less frequent reapplication saves time and lowers consumption.
- OPERATING RANGE - can be used at temperatures as low as -60°F (-51°C). One grade is suitable for year-round use.

- EASY TO APPLY - it can be poured, brushed, or sprayed.
- RESISTS CONTAMINANTS – does not attract dirt.

Specifications, Approvals & Recommendations

For a full listing of equipment approvals and recommendations, please consult your local Shell & Whitmore Reliability Solutions Helpdesk.

Main Applications



Shell Gadus (EZ Switch) is formulated primarily for use on railroad switch plates (railway slide chairs). It can also be used on wire ropes. Because it is high in graphite, it is suitable for use in high temperature applications (>600°F, or >315°C) where the fluid components will evaporate or burn off and leave a dry graphite lubricant.

Typical Physical Characteristics

Properties			Method	Shell Gadus (EZ Switch)
Base Oil Viscosity	@ 40°C	cSt	ASTM D445	9 – 11.5
	@ 100°C	cSt	ASTM D445	1.5 - 3
Brookfield Viscosity Spindle HA-2 @ 5 rpm	@ 77°F (25°C)	cps	ASTM D2983	1,700 – 2,300
Density	@ 60°F (15.5°C)	lb/gal	Gardner	8.414
Specific Gravity		g/cc	Method	1.008
Flash Point Cleveland Open Cup		°F (°C)	ASTM D92	230 (110)
Appearance				Dark Gray Fluid

These characteristics are typical of current production. Whilst future production will conform to Shell & Whitmore Reliability Solutions specification, variations in these characteristics may occur.

Health, Safety & Environment

Health and Safety

Shell Gadus (EZ Switch) is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from <http://www.epc.shell.com/>

Protect the Environment

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

Additional Information

Advice

Advice on applications not covered here may be obtained from your Shell & Whitmore Reliability Solutions representative.