



Formerly Known As: Whitmore Railmaster LFG

Shell Gadus (Railmaster LFG)

- Long Carry Down
- Water Resistant
- Low Temperature

High-Performance Rail Curve Grease with Graphite

Shell Gadus (Railmaster LFG) is a lithium grease with graphite. It is designed to give maximum protection to rails and wheel flanges. Shell Gadus (Railmaster LFG) is available in several grades. Each grade can be used over a wide temperature range. In many areas a single grade can be used year-round.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

Features

The coating that Shell Gadus (Railmaster LFG) deposits on the rail is tenacious, dense, and unaffected by rain. Several miles from the wayside applicator a substantial coating is clearly visible on the gage face and radius. Grease is often detectable on the gage face as far down as 8 miles (12 Km). The coating is easily seen which makes track inspection easy.

Shell Gadus (Railmaster LFG) does not cause pump cavitation. Rather than forming a vortex at the pump it moves down evenly in the holding tank.

Shell Gadus (Railmaster LFG) forms a vertical bead as it emerges from the port of the wiping bar. The grease doesn't spatter when hit by the wheel.

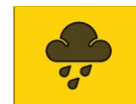
Benefits

- Low Temperature – excellent low temperature pumpability.
- Cohesive – stands at the wiping bar and does not spatter.
- Solid Lubricants – contains a high proportion of graphite.
- Wear Protection – extreme pressure and anti-wear additive package extends rail and wheel life.
- Long Carry Down – carries down the rail up to 8 miles.
- Water-Resistant – does not wash off the rail during the rain.

Main



Applications



Shell Gadus (Railmaster LFG) can be used in Hi-Rail and Wayside lubricators.

Specifications, Approvals & Recommendations

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

Typical Physical Characteristics

Properties	Method	Shell Gadus (Railmaster LFG)			
		0	1	1.5	2
Grade					
Worked Penetration - 60 strokes @ 25°C	ASTM D217	355-385	310-340	290-315	265-295
Dropping Point °F (°C)	ASTM D2265	350 (177)	380 (194)	380 (194)	380 (194)
Viscosity, Base Oil @40°C	cSt	19.0 – 23.5	61 – 68	58 – 66	64.5 – 72.0
	cSt	3.5 – 4.5	8 – 10	8 – 10	8.5 – 10.5
Viscosity, Base Oil with Polymer @40°C	cSt	105 – 115	--	--	--
	cSt	8.5 – 9.5	--	--	--
Density @ 60°F (15.5°C)	lb/gal	7.830	7.700	7.64	7.65
Specific Gravity (15.5°C)	g/cc	0.938	0.923	0.915	0.916
Four Ball Weld EP, Weld Point	kg	315	315	315	315
Four Ball Wear, Scar Width	mm	0.60	0.50	0.50	0.50
Copper Strip Corrosion 212°F (100°C) @ 3 hrs	ASTM D4048	1B	1B	1B	1B
Usable Temperature Range °F (°C)		-20 (-29) to 50 (10)	-10 (-12) to 90 (32)	35 (2) to 110 (43)	50 (10) to 130 (54)
Thickener		Lithium	Lithium	Lithium	Lithium

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 (Railmaster LFG) 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.