APG-000, 00 / SG-000, 00

SEMI-FLUID GREASE

WITH

ANTI-FRICTION TREATMENT

The mineral oil-based **APG-000** and **00** and 100% SYNTHETIC **SG-000** and **00** greases are sulfonate-based semi-fluid greases developed from the latest technology. The combination of the sulfonate's natural lubricating properties with the ANTI-FRICTION TREATMENT provides far superior performance when compared to other types of greases such as lithium complex, aluminium complex and polyureas as well as other sulfonate-based greases.

The mineral oil-based **APG-000** and **00** and 100% SYNTHETIC **SG-000** and **00** greases stand out with the following properties:

- Outstanding extreme-pressure (E.P.) and anti-wear performance
- Excellent load carrying capacity
- Superior mechanical stability, particularly in the presence of heat and water
- Superior thermal stability
- Excellent rust and corrosion resistance
- Good oxidation resistance
- Outstanding low temperature mobility, specially for the PAO based 100% SYNTHETIC **SG-000** and **00**

These greases are designed to provide outstanding lubrication in applications requiring semi-fluid greases as well as some applications designed to be lubricated with oils or standard greases such as;

- Industrial gear boxes
- Leaky gear boxes
- Wheel hubs and axles

The mineral oil-based **APG-00** and 100% SYNTHETIC **SG-00** greases are ideal for the lubrication of wheel hub assemblies on trucks or axles on trailers. The **APG-00** and **SG-00** semi-fluid greases help to;

- Eliminate oil leaks coming from wheel hub seals
- Prevents damages to brake shoes and wheel bearings
- Decrease maintenance costs
- Avoid breakdowns caused by the lack of oil
- Improve the overall safety of truckers

ENVIRONMENTAL INFORMATION :

The semi-fluid sulfonate-based greases contain no heavy metals and no harmful nor environmentally undesirable additives.

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TECHNICAL DATA

	APG-000	APG-00	SG-000	SG-00
GENERAL PHYSICAL PROPERTIES :				
• N.L.G.I. Grade:	000	00	000	00
• Color :	Amber	Amber	Amber	Amber
• Thickener :	Sulfonate	Sulfonate	Sulfonate	Sulfonate
• Base oil :				
- Type :	Mineral	Mineral	PAO	PAO
- Viscosity @ 40°C, cSt :	182	182	46	46
- Viscosity @ 100°C, cSt :	16.5	16.5	8	8
- Viscosity Index :	95	95	146	146
MECHANICAL STABILITY :				
• Consistency, ASTM D217;				
- worked penetration, 60 cycles, mm/10 :	-----	325	-----	325
• Brookfield viscosity, cPs	10000	-----	9500	-----
RUST AND CORROSION RESISTANCE:				
• Copper corrosion test, ASTM D4048 :	1B	1B	1B	1B
• Rust test rating, ASTM D1743 :	Pass	Pass	Pass	Pass
• Test ''Salt Fog'', ASTM B117;				
- film: 1 mil., hours :	>300	>300	>300	>300
SEPARATION CHARACTERISTICS:				
• Oil separation ASTM D1742;				
- @ 25°C (77°F), % weight :	0.2	0.2	0.2	0.2
LOW TEMPERATURE PROPERTIES:				
• US Steel Mobility Test @ 150 psi ;				
- @ –18°C, g/min :	43.1	36.4	703.3	336.8
- @ –23°C, g/min :	21.6	19.7	337.4	240.8
- @ –29°C, g/min :	7.9	7.2	248.2	169.2
- @ –35°C, g/min :	1.1	1.2	134.9	80.7
EXTREME-PRESSURE AND ANTI-WEAR PROPERTIES :				
• Timken OK Load, ASTM D2509, kg (lbs) :	27 (60)	27 (60)	27 (60)	27 (60)
▪ 4 ball wear test, ASTM D2266 ;				
- Scar (mm), 40 kg, 1200 RPM @ 75°C, 1 hour :	0.35	0.35	0.40	0.40
▪ 4 ball EP test, ASTM D2596 ;				
- load / wear index :	70	70	62	62
- weld point, kg :	550	550	500	500
OPERATING TEMPERATURE RANGE :				
• Minimum, °C (°F) :	-32 (-26)	-32 (-26)	-50 (-58)	-50 (-58)
• Maximum, °C (°F) :	120 (250)	150 (300)	150 (300)	175 (350)

Sizes	Product numbers			
	APG-000	APG-00	SG-000	SG-00
1 L	13000001	1300001	139001	140001
17 kg	13000017	1300017	139017	140017
55 kg	13000055	1300055	139055	140055
180 kg	13000180	1300180	139180	140180

The data provided in this document is for information purposes only. HIPERTECH INC, having no control over the application and the use of this product, limits its responsibility to the quality of the product supplied.

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