



## MARINE GREASE

WATER RESISTANT, HIGH ADHESION EP FORMULA

• Heavy-Duty Marine, Off-Road & Industrial • Calcium Sulfonate Grease

### DESCRIPTION:

PEAK Marine Grease is a tacky, water resistant, high temperature, extreme pressure grease for weather exposed equipment requiring high performance corrosion resistance and long-life anti-wear protection.

### APPLICATIONS:

- Marine, On/Off-road, Mining & Industrial - recommended for chassis, wheel, plain and anti-friction bearings, fifth wheel plates, springs, trailers, open gears, pivot joints/shafts, outboard motor steering, cranes, gimbals, lifting tackle and winches.

### FEATURES:

- Resists fresh and saltwater washout and corrosion
- Good wear protection for exposed conditions
- High Weld Point - Premium anti-seize protection
- Premium load capacity and resistance to oxidation

### CLASSIFICATIONS:

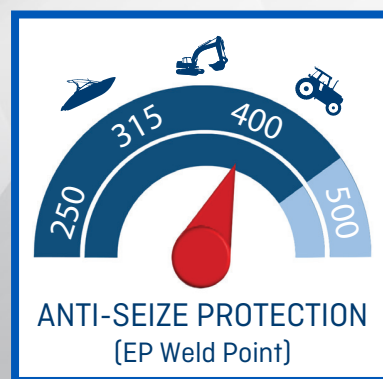
Meets, or exceeds, the performance for:

- ASTM D-4950 GC-LB
- ISO 6743-9: L-X CEIB 2

- DIN 51502: KP2P-30
- John Deere: HD Water Resistant

TYPICAL PROPERTIES	TEST METHOD	TYPICAL
NLGI Grade		2
NLGI Service Classification	ASTM D4950	GC-LB
Thickener	-	Calcium Sulfonate
Color	-	Green
Penetration, 60 strokes (range)	ASTM D217	265-295
Dropping Point, Minimum °C (°F)	ASTM D2265	>260 (>500)
Base Viscosity, cSt @ 40°C	ASTM D445	150
Timken Load	ASTM D2509	60
Four Ball Wear Scar, mm	ASTM D2266	0.5
Four Ball EP Weld, Kg	ASTM D2596	400
Four Ball Load Wear Index	ASTM D2596	58
Wheel Bearing Leakage, grams loss	ASTM D4290	5
Rust Protection	ASTM D1743	Pass
Copper Corrosion	ASTM D4048	1b
Oxidation Stability @100 hrs, psi	ASTM D942	7
Oil Separation, %	ASTM D1742	0.1
Water Washout % Loss @ 79°C (175°F), %	ASTM 1264	2.0
High Temp Wheel Bearing Life, hrs	ASTM D3527	120
Low Temperature Torque @ -40°, N-m	ASTM D4693	>10
Operating Temperature Range °C (°F)	-	-29 to 163 (-20 to 325)

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Part	Size	Unit UPC	Case Code	Units/SKU	Unit Wt (lbs)	SKU Wt (lbs)	Units/Pallet	Pallet Wt* (lbs)
PGRMA14I	50/14 oz. Cartridge	074804072792	074804172799	50	1	50	1800	1850
PGRMA1LBI	12/1 lb. Tub	074804072808	074804172805	12	1.17	14	1248	1506

(\*) Including pallet weight of 50lbs.

## GREASE SELECTION GUIDE

### Anti-Friction Bearings

Operating Temperature	DN (Speed Factor) RPM x Bore Diameter	Base Viscosity cSt. @ 40°C	NLGI No. Grade
32°F to 86°F 0°C to 30°C	0 to 25,000	32 to 68	1 or 2
	25,000 to 75,000	22 to 32	2
	75,000 to 300,000	10 to 22	2
86°F to 140°F 30°C to 60°C	0 to 25,000	100 to 220	2
	25,000 to 75,000	46 to 68	2
	75,000 to 300,000	32 to 46	2 or 3
140°F to 194°F 60°C to 90°C	0 to 25,000	220 to 320	2
	25,000 to 75,000	220 to 320	2
	75,000 to 300,000	100 to 220	2 or 3
194°F to 248°F 90°C to 120°C	0 to 25,000	460 to 1000	2
	25,000 to 75,000	220 to 460	2
	75,000 to 300,000	220	2 or 3

### Friction Bearings/Journals

Operating Temperature	DN (Speed Factor) RPM x Bore Diameter	Base Viscosity cSt. @ 40°C	NLGI No. Grade
32°F to 86°F 0°C to 30°C	<150	46 to 68	1 or 2
	150 to 300	32 to 46	2
	>300	10 to 32	2
86°F to 140°F 30°C to 60°C	<150	150 to 220	2
	150 to 300	100 to 220	2
	>300	46 to 68	2 or 3
>140°F >60°C	<150	1000	2
	150 to 300	220 to 460	2
	>300	150 to 220	2 or 3

## BASE OIL VISCOSITY & NLGI GRADE

Most grease-lubricated applications are element bearings and grease base oil viscosity should be considered in selecting the appropriate grease.

### Step 1. Identify bearing type and DN value (speed factor)

DN value equals the bearing's average diameter multiplied by its average operating speed (RPM) and applies a correction factor based on type of bearing. Consult equipment manufacturer if DN value is unknown.

### Step 2. Determine average bearing operating temperature

### Step 3. Look up the DN value and operating temperature in the appropriate charts above to determine optimal grease base oil viscosity and NLGI grade.

## GREASE THICKENER COMPATIBILITY

Use this chart to determine compatibility if changing from one type of grease thickener to another. A complete application purge may be necessary. Follow equipment manufacturer's lubricant recommendations.

## GREASE THICKENER COMPATIBILITY

	Aluminum Complex	Barium Complex	Calcium Sulfonate	Calcium 12-Hydroxy	Calcium Complex	Clay (Non-Soap)	Lithium Sulfonate	Lithium 12-Hydroxy	Lithium Complex	Polyurea Conventional	Polyurea Shear Stable	Sodium Soap
Aluminum Complex		I	I	C	I	B	I	I	C	I	C	I
Barium Complex	I		I	C	I	C	I	I	I	I	B	I
Calcium Sulfonate	I	I		C	I	C	C	C	B	C	I	C
Calcium 12-Hydroxy	C	C	C		B	B	C	C	C	C	I	C
Calcium Complex	I	I	I	B		I	I	I	I	C	C	C
Clay (Non-Soap)	B	C	C	B	I		I	B	B	C	I	C
Lithium Sulfonate	I	I	C	C	I	I		I	I	I	B	I
Lithium 12-Hydroxy	I	I	C	C	I	B	I		C	C	I	C
Lithium Complex	C	I	C	C	C	C	I	C	C		I	C
Polyurea Conventional	I	I	I	I	C	I	I	I	I	I		C
Polyurea Shear Stable	C	B	C	C	C	C	C	B	C	C	C	
Sodium Soap	I	I	I	I	I	I	I	I	I	I	I	

C

 Compatible - No application purge required

B

 Borderline - Recommend full application purge using new grease

I

 Incompatible - Full application purge required using new grease