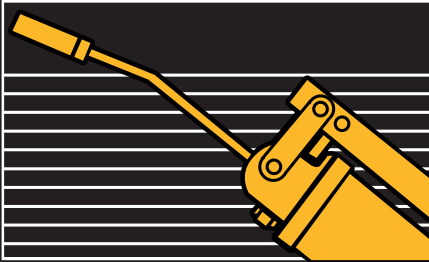


Caterpillar Arctic Platinum Grease



Recommended use

Caterpillar Arctic Platinum Grease is recommended for all high load, high impact and wet applications where ambient temperatures are regularly below 0°F (-18°C). This grease is specially formulated to be pumpable through standard autolubrication systems at temperatures down to -75°F (-60°C). Arctic Platinum Grease can be used effectively at even lower temperatures on manually greased applications.

Application

Typical applications: large mining shovels, excavators, drag lines, loaders, track-type tractors, mining trucks, conveyor belts and any other equipment that operates in moderate to extremely cold temperatures. Arctic Platinum grades 00 and 000 can also be used in applications such as corn picker heads on agricultural combines and geared speed reducers.

Arctic Platinum Grease is specially formulated to maintain mobility and prevent water washout, at low temperatures. The low viscosity synthetic base oil, calcium sulfonate thickener and 5% MoS₂ make Arctic Platinum a grease unmatched for performance.

Arctic Platinum Grease performs and protects during cold conditions where conventional lithium-thickened greases could become immobile.

Less Arctic Platinum Grease is required to refill the joint each time you grease because it stays in the joint longer. This is due to advanced lubricant properties that reduce the frictional heat which can thin conventional greases to the point where they are extruded from the joint.

Lower frictional heat means lower wear rates, thereby promoting maximum component life and minimum downtime.

Arctic Platinum Grease contains no lead, antimony, zinc, barium, chlorine, phosphorous, or free sulfur, making it a more environmentally friendly lubricant than most lithium greases.

For highly loaded applications where the temperatures are regularly above 0°F (-18°C), consider Caterpillar **Auto-Lube #1 Grease**.

Caterpillar Arctic Platinum Grease

Arctic Platinum Technical Data

NLGI Grade	000	00	0	1
Base Oil Type	Synthetic	Synthetic	Synthetic	Synthetic
Thickener Type	Calcium Sulfonate	Calcium Sulfonate	Calcium Sulfonate	Calcium Sulfonate
% MoS ₂ (wt.)	5%	5%	5%	5%
Micron Size	<5: median of 3.0	<5: median of 3.0	<5: median of 3.0	<5: median of 3.0
Color	Platinum	Platinum	Platinum	Platinum
Ambient Range, °F	-75 to +40	-70 to +45	-65 to +50	-60 to +75
Ambient Range, °C	-60 to +4	-57 to +7	-53 to +10	-51 to +24
Operating Range, °F	-65 to +200	-65 to +200	-65 to +200	-65 to +200
Operating Range, °C	-54 to +94	-54 to +94	-54 to +94	-54 to +94
Worked Penetration (mm)	445 to 475	400 to 430	355 to 385	310 to 340
% Change /100,000 strokes	N/A	N/A	N/A	1
Roll Stability w/H ₂ O, % Change	N/A	N/A	N/A	±5
Viscosity Index	135 min.	135 min.	135 min.	135 min.
Vis @ 100°F, SUS	146 to 190	146 to 190	146 to 190	146 to 190
Vis @ 40°C, cSt	31.0 to 40.75	31.0 to 40.75	31.0 to 40.75	31.0 to 40.75
4 Ball Wear (mm)	0.45 max.	0.45 max.	0.45 max.	0.45 max.
4 Ball Weld Point (kg)	500 min.	500 min.	620 min.	800 min.
Timken E.P. Test OK load (lb.)	60 min.	60 min.	65 min.	65 min.
Oxidation-psi drop/500 hr.	2 max.	2 max.	2 max.	2 max.
Rust Test	pass	pass	pass	pass
Salt Fog Test, hrs.	1100+	1100+	1100+	1100+
Copper Corrosion	1a	1a	1a	1a
Dropping Point (°F)	N/A	N/A	500	500
Dropping Point (°C)	N/A	N/A	260	260

Arctic Platinum Grease Part Numbers

NLGI Grade	000	00	0	1
Cartridge (US)	N/A	N/A	N/A	129-1928
Cartridge (Australia)	N/A	N/A	N/A	129-1927
Can .45 kg (1 lb.)	N/A	N/A	N/A	129-1929
Aerosol 384.5 ml (13 oz.)	N/A	N/A	N/A	N/A
Plastic Pail 18.9 liter (5 gal.)	131-6532	129-8717	129-8708	129-1931
Metal Pail 18.9 liter (5 gal.)	131-6531	129-8716	129-8707	129-1932
Keg 60.6 liter (16 gal.)	131-6533	129-8718	129-8709	129-1933
Drum 208.2 liter (55 gal.)	131-6534	129-8719	129-8710	129-1934
Bulk (/lb.)	131-6536	129-8720	129-8711	129-1936