

Product data

ProSelect

VGC1 Winter

General application grease developed for winter use

Komatsu VGC1 Winter is developed for general lubrication and central lubrication system in cold temperatures. The grease is water resistant, provides excellent corrosion protection, endures high shock loads and has excellent adhesion. Since VGC1 Winter is more easy flowing in low temperatures it will help to keep your forest machine running during the winter and help to provide a high and steady production.

Performance, Features & Benefits

Cold weather performance

Komatsu VGC1 Winter is designed for use in cold temperatures. The grease is graded NLGI 0 and has a looser texture compared to standard VGC1 with NLGI 2. The lower NLGI and looser texture means better pumpability and flowing capacity in low temperatures. This will provide better lubrication and function in both CLS and hand help grease pumps in low temperatures.

Content and miscibility

VGC1 Winter is based on mineral and polymer oil and uses anhydrous calcium as thickener. It contains antioxidants, corrosion inhibitors and EP/AW additives. VGC1 Winter and standard VGC1 can be mixed since they have the same content and base oil viscosity. This means that the CLS do not need to be emptied before switching grease. However, for reaching full properties all former grease must be traded in the system.

Great lubrication and adhesion

VGC1 Winter is highly adhesive and water resistance, which means it will stick to the surface and provide good lubrication and corrosion protection. The thickness and special blend make the grease very shock resistant and provides excellent component protection.

Applications

Use in cold conditions

VGC1 Winter is designed for lubrication of equipment in cold temperatures. The low NLGI grade means better flow capacity in cold temperatures but also loose texture in warmer temperatures. Therefore, the recommendation is to use VGC Winter in temperatures below 0°C / 32°F and NOT to use VGC1 Winter in temperatures exceeding 10°C / 50°F.

Forest machine central lubrication

VGC1 Winter fulfills all requirements for general lubrication of Komatsu Forest machines, cranes, heads and grapples. It is also fit to be used in the central lubrication system.

Wet and corrosive environments

Thanks to its great water resistance and adhesion properties VGC 1 Winter is suitable for lubrication in wet and corrosive environments.

Specifications & Approvals

- SKF R2F test B at 120°C

Health, Safety & Environment

Health and Safety

VGC1 Winter is unlikely to present any significant health or safety hazard when properly used in the recommended applications and good standards of personal hygiene are maintained. Avoid skin contact and use impervious gloves. After skin contact, wash immediately with soap and water. Guidance on health and safety is available on the appropriate Safety Data Sheet.

Protect the Environment

Take used grease to an authorized collection point. Do not discharge into drains, soil or water. If accidental spillage occurs attempt to prevent further dissemination. For decontamination use absorbents e.g. sand, universal binder or saw dust.

Physical Characteristics

Properties	Method	VGC1 Winter
Color	Visual	Yellow
NLGI Grade	ASTM D217	0
Base oil viscosity @40°C (cSt)	ASTM 7152	1370
Base oil viscosity @100°C (cSt)	ASTM 7152	96
Temperature range		-40°C to +120°C
Dropping Point (°C)	IP 396	>120°C
Water washout at 38°C	ISO 11009	<10%
4-ball well load	DIN 51350:4	3000N
Flow Pressure at -40°C	DIN 51805 mod	< 1400 mbar



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