

Product Information

A PRODUCT OF VALVOLINE, A DIVISION OF ASHLAND INC.



Valvoline Optimum Choice™ Grease

Valvoline™ Optimum Choice™ grease is a partial synthetic lithium complex grease designed especially for extended service intervals and severe duty service in on-highway, off-road, and industrial applications.

Its viscous base stock provides exceptional water washout resistance, reduced squeeze out due to heavy loading and high temperature performance. In addition, it contains high molecular weight polymers to provide excellent adhesion and tackiness properties. The product is formulated with anti-wear and extreme pressure additives, corrosion and oxidation inhibitors. It contains additional dye content for long lasting color verification.

Valvoline™ Optimum Choice™ grease is recommended for on-highway extended service interval fleet applications, including chassis, steering, fifth wheel, water pumps, and wheel bearings. It is also recommended for use in off-road construction and mining, agricultural, and industrial applications and meets GC/LB specifications.

Typical Properties	Test Method	NLGI 00	NLGI 0	NLGI 2
Thickener Type	---	Lithium Complex	Lithium Complex	Lithium Complex
Color	Visual	Deep Red	Deep Red	Deep Red
Texture	Visual	Very Tacky	Very Tacky	Very Tacky
Penetration, Worked	ASTM D217	400-430	355-385	265-295
Dropping Point, °F, min.	ASTM D2265	N/A	N/A	500
Dropping Point, °C, min.	ASTM D2265	N/A	N/A	260
Water Washout, %, Loss, max.	ASTM D1264	N/A	N/A	10
Four Ball Wear, Scar, mm	ASTM D2266	0.7	0.7	0.7
Four Ball E.P. Weld Pt, kg, min.	ASTM D2596	315	400	400
Timken EP, OK Load, lbs. min.	ASTM D2509	50	50	60
Rust Protection	ASTM D1743	N/A	N/A	Pass
Oxidation Stab. psi @ 100 hrs.	ASTM D942	10	10	10
Base Oil Characteristics		ISO 320	ISO 320	ISO 320
Flashpoint, °F (°C) , min.	ASTM D92	400(204)	400(204)	400
Pour Point, °F (°C) , min.	ASTM D5969	+15(-15)	+15(-15)	+15(-15)

Part Numbers

Bulk	na	VV70170
400 Lb. Drum	806488	VV70172
120 Lb. Keg (L)	na	VV70173
35 Lb. Pail	806279	na
50/14 Oz. Carton	na	VV60175
Tote	na	VV70171

Refer to Valvoline's Material Safety Data Sheet for health and safety instructions.

This information only applies to products manufactured in the following location(s): USA, Canada.

Effective Date:	Expiration Date:	Replaces:	Author's Initials:	Code
02/18/2013	N/A	4/26/2011	KD	PI 1301

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