

Tackifiers			Typical wt %											
V-176	Versatile PIB-based tackifier for all applications in industrial lubricants and greases.	0.5	●	●	●					●				
V-178	High strength, efficient PIB tackifier best suited for machining oils and slideway lubricants.	0.5	●	●	●					●				
V-188	OCP-based tackifier for increased service life in gear oil. NSF HX-1 and Ecolabel available.	1.0	●	●	●	●				●	●	●	●	
PARATAC	Legacy PIB tackifier with long-standing OEM approvals. PARATAC XT for low handling viscosity.	0.5	●	●	●	●				●				
V-298	Clear and colorless PIB tackifier for textile oils or other lubricants that require no color/staining.	0.5	●	●	●					●				
V-422	Incidental food contact PIB tackifier for NSF H1 lubricants and greases.	0.5	●	●	●	●				●		●		
V-584	Unique bio tackifier for vegetable oil and esters; NSF HX-1 and Ecolabel LuSC available.	2.0	●	●	●	●				●	●	●	●	
V-802	Aqueous tackifier for water and emulsion lubricants. NSF HX-1.	1.0			●					●		●		

Viscosity Modifiers (VM) & Base Stocks			P-SSI	Polymer Type	Typical wt%														
V-158FN	Economic viscosity modifier. V-158F for paraffinic Group II oil.	50	OCP	10															
V-166	Liquid OCP viscosity modifier. Lower cost V-166B in Group I.	35	OCP	10															
V-4318	Liquid shear-stable styrene copolymer, rated 0-5 P-SSI.	5	Styrene	15															
V-731	Heavy synthetic base stock to replace polybutenes and mPAO. (12% KRL SSI)	0	EPO	10															
V-705	'Low temperature polyolefin' base stock for VHVI HF. (4% KRL SSI)	0	LT-Polyolefin	10															
MH-2000	Polymethacrylate viscosity modifier for hydraulics (35% KRL SSI)	1	PMA	10															
MD-8004	Dispersant PMA viscosity modifier for tractor, ATF. MD-2200 for 3 P-SSI.	40	D-PMA	5															
V-515	Liquid bio VM for vegetable oils. Best economy for chain and saw oils.	50	Biobased	15															
V-508M	Liquid bio VM for vegetable oil and synthetic esters. NSF HX-1 and Ecolabel.	28	Biobased	15															

Grease Additives			Grease Type	Typical wt%												
V-207	Flake polymer for water resist., oil bleed, shear stability, and tack. V-211 for NSF HX-1.	Ca / Al	0.5		●									●		
V-4020	Low treat reactive pellet to improve water resistance. V-4040P for fast dissolving flake.	Li	0.3		●											
V-4004A	Pre-dissolved liquid reactive polymer for fast and complete addition to grease.	Li	5		●											
V-4700	Liquid reactive polymer for improving synthetic-based greases with low solvency.	Li / Ca	5		●							●				
V-191	Concentrated polymer emulsion to improve water spray-off, oil bleed, and tack.	Clay / Silica	1		●						●	●				
V-4316	Liquid styrene polymer for water resist, oil bleed, and tack in polyurea grease. 60 P-SSI.	Polyurea	5	●	●	●		●	●	●						
DP-300	Borate-based dropping point enhancer for lithium, calcium, or lithium/calcium soaps.	Li / Ca	2.5		●						●					

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