

VISCOPLEX®

Viscosity Index Improvers (VIIs) for Hydraulic Fluid Applications



North America Region

A RohMax Product



VISCOPLEX® products are polyalkyl methacrylate (PAMA) polymer additives designed to increase the Temperature Operating Window and pump efficiency of formulated hydraulic fluids. VISCOPLEX® VIIs will boost high temperature viscosity and improve low temperature fluidity.

RohMax can help you design a fluid with optimum cost/performance.

Contact your local sales manager to review the complete product line, as well as custom solutions.

Series 7: Viscosity Modifiers for Specialty Hydraulic Fluids

	% VI for ISO 46 ¹	VI ²	PSSI ³	Comments
VISCOPLEX® 7-305	6.1	160	35	For naphthenic aircraft & shock absorber fluids
VISCOPLEX® 7-9xx	NA ⁴	NA ⁴	10-50	VII for phosphate ester fluids

Series 8: Viscosity Modifiers for Industrial Hydraulic Fluids

	% VI for ISO 46 ¹	VI ²	PSSI ³	Comments
VISCOPLEX® 8-100	10.0	150	9	High shear stability
VISCOPLEX® 8-219	8.0	145	16	Good shear stability
VISCOPLEX® 8-407	5.6	155	43	Moderate shear stability
VISCOPLEX® 8-440	5.4	165	50	Balanced performance
VISCOPLEX® 8-702	4.5	165	75	High thickening efficiency
VISCOPLEX® 8-954	4.5	165	75	Dispersant VII

Series 10: Viscosity Modifiers for Biodegradable Hydraulic Fluids

	% VI for ISO 46 ¹	VI ²	PSSI ³	Comments
VISCOPLEX® 10-250	6.1	–	33	Designed for vegetable-derived oils
VISCOPLEX® 10-310	2.9	–	48	VII and CTFI ⁵ with Blue Angel approval
VISCOPLEX® 10-950	4.0	–	80	High thickening efficiency

¹ % treat rate to formulate an ISO 46 high VI fluid based on a 150N oil (30 cSt @ 40 °C, VI = 95)

² Viscosity Index of formulated fluid with the corresponding product and treat rate

³ Permanent shear stability index by ASTM D5621, 40 minute sonic shear

⁴ This type product not suitable for mineral oil formulations

⁵ Cold temperature fluidity improver

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