

VISCOPLEX®

Viscosity Index Improvers (VIIs) for Hydraulic Fluid Applications



Europe

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.

A RohMax Product



Series 7: Viscosity Modifiers for Specialty Hydraulic Fluids

| | % VI for ISO 46 ¹ | VI ² | PSSI ³ | Comments |
|------------------|------------------------------|-----------------|-------------------|--|
| VISCOPLEX® 7-300 | 6.1 | 160 | 35 | Naphthenic oil base, shock absorber fluids |
| VISCOPLEX® 7-711 | 4.3 | 165 | 60 | Aircraft and low temperature applications |
| 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® 8-226 | 8.0 | 145 | 16 | Good shear stability |
| VISCOPLEX® 8-350 | 6.2 | 160 | 36 | Moderate shear stability |
| VISCOPLEX® 8-400 | 5.9 | 160 | 43 | Standard for SS155434 fluids |
| VISCOPLEX® 8-450 | 5.2 | 165 | 51 | Balanced performance |
| VISCOPLEX® 8-705 | 4.8 | 165 | 80 | 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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