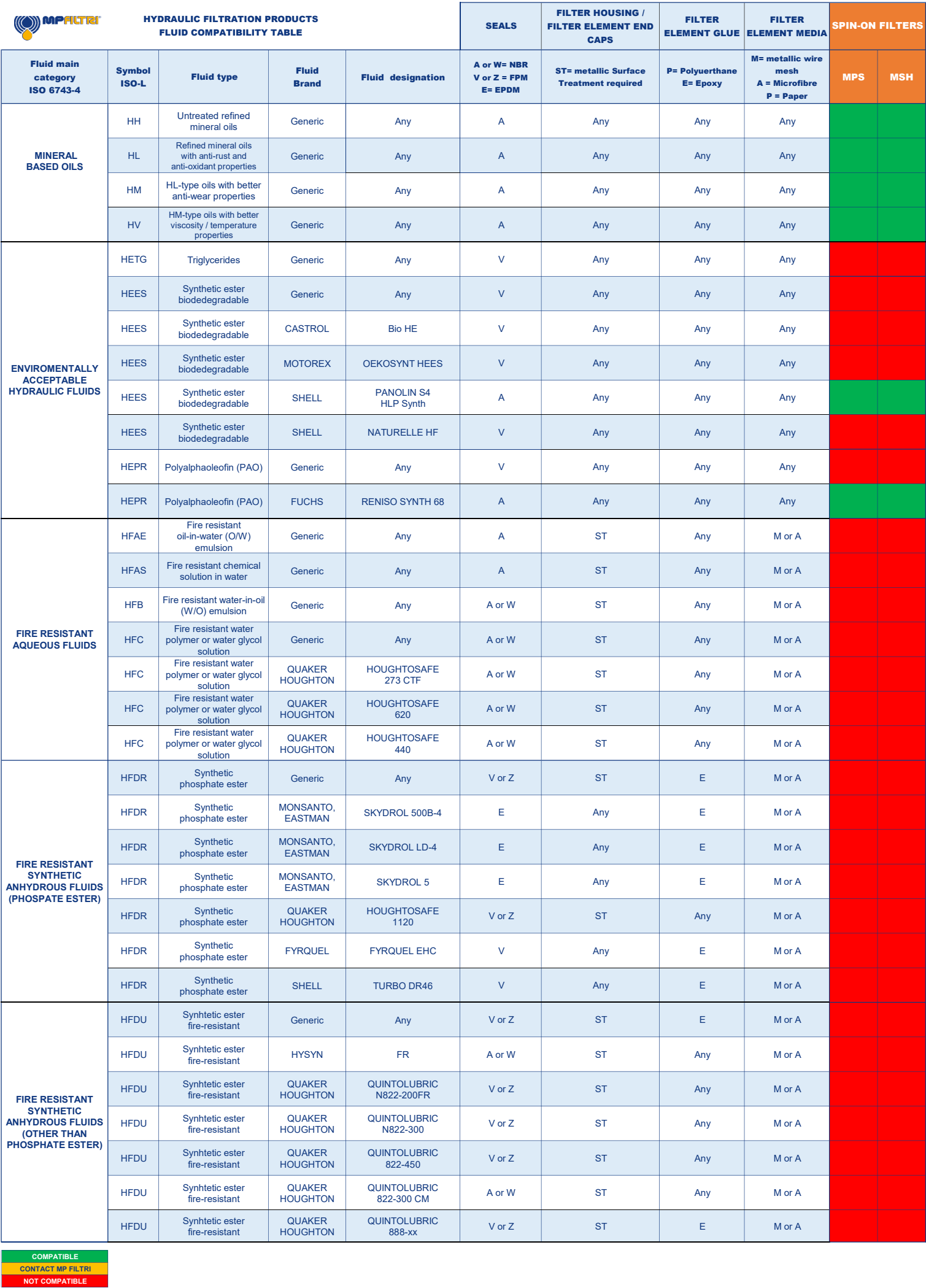


COMPATIBLE  
CONTACT MP FILTRI  
NOT COMPATIBLE



|                               |
|-------------------------------|
| *L: NBR flat seal<br>on head  |
| **M: FPM flat seal<br>on head |





| HYDRAULIC FILTRATION PRODUCTS<br>FLUID COMPATIBILITY TABLE                  |                 |                                                                 |                   |                         | SEALS                                  | FILTER HOUSING /<br>FILTER ELEMENT<br>END CAPS | FILTER<br>ELEMENT GLUE      | FILTER<br>ELEMENT MEDIA                                 | LOW & MEDIUM PRESSURE FILTERS |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
|-----------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------|-------------------|-------------------------|----------------------------------------|------------------------------------------------|-----------------------------|---------------------------------------------------------|-------------------------------|------------|-------------------------------|-------------------|---------|---------------------------|----------------|--------------------|------------|--------------------|------------|------------|----------------|----------------|
| Fluid main<br>category<br>ISO 6743-4                                        | Symbol<br>ISO-L | Fluid type                                                      | Fluid<br>Brand    | Fluid designation       | A or W= NBR<br>V or Z = FPM<br>E= EPDM | ST= metallic Surface<br>Treatment required     | P= Polyuerthane<br>E= Epoxy | M= metallic wire<br>mesh<br>A = Microfibre<br>P = Paper | LFEX                          | LMP<br>110 | LMP<br>MULTIPORT<br>112 / 123 | LMP<br>210<br>211 | LPH 630 | LMP 400<br>401 430<br>431 | LMP<br>950 951 | LMP 952<br>953 954 | LMD<br>211 | LMD 400<br>401 431 | LMD<br>951 | LDP<br>LDD | LMP<br>900 901 | LMP<br>902 903 |
| MINERAL<br>BASED OILS                                                       | HH              | Untreated refined mineral oils                                  | Generic           | Any                     | A                                      | Any                                            | Any                         | Any                                                     |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
|                                                                             | HL              | Refined mineral oils with anti-rust and anti-oxidant properties | Generic           | Any                     | A                                      | Any                                            | Any                         | Any                                                     |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
|                                                                             | HM              | HL-type oils with better anti-wear properties                   | Generic           | Any                     | A                                      | Any                                            | Any                         | Any                                                     |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
|                                                                             | HV              | HM-type oils with better viscosity / temperature properties     | Generic           | Any                     | A                                      | Any                                            | Any                         | Any                                                     |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
| ENVIROMENTALLY<br>ACCEPTABLE HYDRAULIC<br>FLUIDS                            | HETG            | Triglycerides                                                   | Generic           | Any                     | V                                      | Any                                            | Any                         | Any                                                     |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
|                                                                             | HEES            | Synthetic ester biodegradable                                   | Generic           | Any                     | V                                      | Any                                            | Any                         | Any                                                     |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
|                                                                             | HEES            | Synthetic ester biodegradable                                   | CASTROL           | Bio HE                  | V                                      | Any                                            | Any                         | Any                                                     |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
|                                                                             | HEES            | Synthetic ester biodegradable                                   | MOTOREX           | OEKOSYNT HEES           | V                                      | Any                                            | Any                         | Any                                                     |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
|                                                                             | HEES            | Synthetic ester biodegradable                                   | SHELL             | PANOLIN S4 HLP Synth    | A                                      | Any                                            | Any                         | Any                                                     |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
|                                                                             | HEES            | Synthetic ester biodegradable                                   | SHELL             | NATURELLE HF            | V                                      | Any                                            | Any                         | Any                                                     |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
|                                                                             | HEPR            | Polyalphaoleofin (PAO)                                          | Generic           | Any                     | V                                      | Any                                            | Any                         | Any                                                     |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
|                                                                             | HEPR            | Polyalphaoleofin (PAO)                                          | FUCHS             | RENISO SYNTH 68         | A                                      | Any                                            | Any                         | Any                                                     |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
| FIRE RESISTANT<br>AQUEOUS FLUIDS                                            | HFAE            | Fire resistant oil-in-water (O/W) emulsion                      | Generic           | Any                     | A                                      | ST                                             | Any                         | M or A                                                  |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
|                                                                             | HFAS            | Fire resistant chemical solution in water                       | Generic           | Any                     | A                                      | ST                                             | Any                         | M or A                                                  |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
|                                                                             | HFB             | Fire resistant water-in-oil (W/O) emulsion                      | Generic           | Any                     | A or W                                 | ST                                             | Any                         | M or A                                                  |                               |            |                               |                   |         | Seals:W                   |                |                    |            |                    |            |            |                |                |
|                                                                             | HFC             | Fire resistant water polymer or water glycol solution           | Generic           | Any                     | A or W                                 | ST                                             | Any                         | M or A                                                  |                               |            |                               |                   |         | Seals:W                   |                |                    |            |                    |            |            |                |                |
|                                                                             | HFC             | Fire resistant water polymer or water glycol solution           | QUAKER HOUGHTON   | HOUGHTOSAFE 273 CTF     | A or W                                 | ST                                             | Any                         | M or A                                                  |                               |            |                               |                   |         | Seals:W                   |                |                    |            |                    |            |            |                |                |
|                                                                             | HFC             | Fire resistant water polymer or water glycol solution           | QUAKER HOUGHTON   | HOUGHTOSAFE 620         | A or W                                 | ST                                             | Any                         | M or A                                                  |                               |            |                               |                   |         | Seals:W                   |                |                    |            |                    |            |            |                |                |
|                                                                             | HFC             | Fire resistant water polymer or water glycol solution           | QUAKER HOUGHTON   | HOUGHTOSAFE 440         | A or W                                 | ST                                             | Any                         | M or A                                                  |                               |            |                               |                   |         | Seals:W                   |                |                    |            |                    |            |            |                |                |
| FIRE RESISTANT<br>SYNTHETIC ANHYDROUS FLUIDS<br>(PHOSPATE ESTER)            | HFDR            | Synthetic phosphate ester                                       | Generic           | Any                     | V or Z                                 | ST                                             | E                           | M or A                                                  |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
|                                                                             | HFDR            | Synthetic phosphate ester                                       | MONSANTO, EASTMAN | SKYDROL 500B-4          | E                                      | Any                                            | E                           | M or A                                                  |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
|                                                                             | HFDR            | Synthetic phosphate ester                                       | MONSANTO, EASTMAN | SKYDROL LD-4            | E                                      | Any                                            | E                           | M or A                                                  |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
|                                                                             | HFDR            | Synthetic phosphate ester                                       | MONSANTO, EASTMAN | SKYDROL 5               | E                                      | Any                                            | E                           | M or A                                                  |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
|                                                                             | HFDR            | Synthetic phosphate ester                                       | QUAKER HOUGHTON   | HOUGHTOSAFE 1120        | V or Z                                 | ST                                             | Any                         | M or A                                                  |                               |            |                               |                   |         | Seals:W                   |                |                    |            |                    |            |            |                |                |
|                                                                             | HFDR            | Synthetic phosphate ester                                       | FYRQUEL           | FYRQUEL EHC             | V                                      | Any                                            | E                           | M or A                                                  |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
|                                                                             | HFDR            | Synthetic phosphate ester                                       | SHELL             | TURBO DR46              | V                                      | Any                                            | E                           | M or A                                                  |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
| FIRE RESISTANT<br>SYNTHETIC ANHYDROUS FLUIDS<br>(OTHER THAN PHOSPATE ESTER) | HFDU            | Synhtetic ester fire-resistant                                  | Generic           | Any                     | V or Z                                 | ST                                             | E                           | M or A                                                  |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
|                                                                             | HFDU            | Synhtetic ester fire-resistant                                  | HYSYN             | FR                      | A or W                                 | ST                                             | Any                         | M or A                                                  |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
|                                                                             | HFDU            | Synhtetic ester fire-resistant                                  | QUAKER HOUGHTON   | QUINTOLUBRIC N822-200FR | V or Z                                 | ST                                             | Any                         | M or A                                                  |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
|                                                                             | HFDU            | Synhtetic ester fire-resistant                                  | QUAKER HOUGHTON   | QUINTOLUBRIC N822-300   | V or Z                                 | ST                                             | Any                         | M or A                                                  |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
|                                                                             | HFDU            | Synhtetic ester fire-resistant                                  | QUAKER HOUGHTON   | QUINTOLUBRIC 822-450    | V or Z                                 | ST                                             | Any                         | M or A                                                  |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
|                                                                             | HFDU            | Synhtetic ester fire-resistant                                  | QUAKER HOUGHTON   | QUINTOLUBRIC 822-300 CM | A or W                                 | ST                                             | Any                         | M or A                                                  |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
|                                                                             | HFDU            | Synhtetic ester fire-resistant                                  | QUAKER HOUGHTON   | QUINTOLUBRIC 888-xx     | V or Z                                 | ST                                             | E                           | M or A                                                  |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
| COMPATIBLE                                                                  |                 |                                                                 |                   |                         |                                        |                                                |                             |                                                         |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
| CONTACT MP FILTRI                                                           |                 |                                                                 |                   |                         |                                        |                                                |                             |                                                         |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |
| NOT COMPATIBLE                                                              |                 |                                                                 |                   |                         |                                        |                                                |                             |                                                         |                               |            |                               |                   |         |                           |                |                    |            |                    |            |            |                |                |



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## HYDRAULIC FILTRATION PRODUCTS

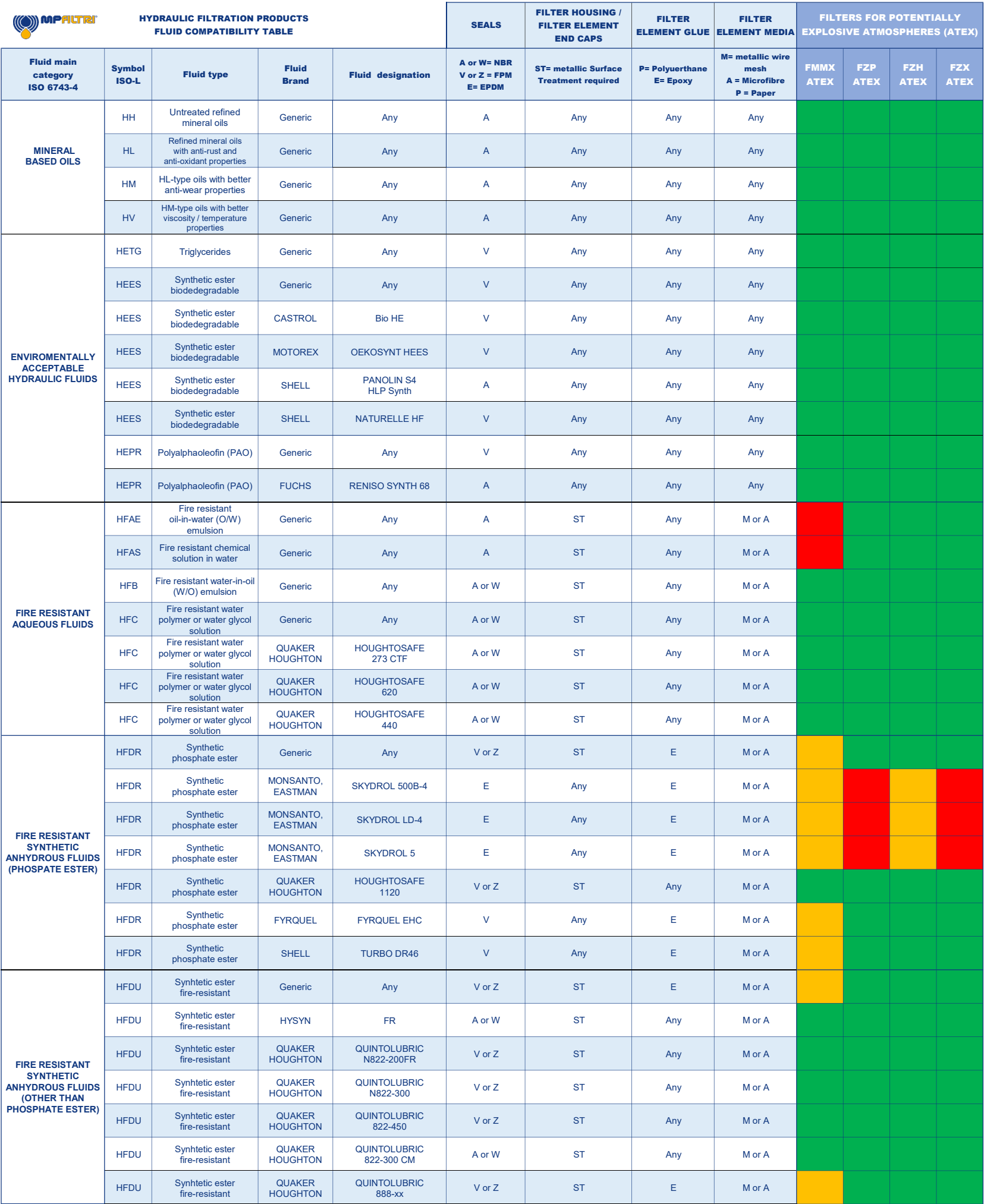
### FLUID COMPATIBILITY TABLE

| HYDRAULIC FILTRATION PRODUCTS<br>FLUID COMPATIBILITY TABLE                         |                 |                                                                       |                      |                            | SEALS                                  | FILTER HOUSING /<br>FILTER ELEMENT<br>END CAPS | FILTER<br>ELEMENT GLUE      | FILTER<br>ELEMENT MEDIA                                 | STAINLESS STEEL<br>HIGH PRESSURE FILTERS |     |     |     |     |     |
|------------------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------------|----------------------|----------------------------|----------------------------------------|------------------------------------------------|-----------------------------|---------------------------------------------------------|------------------------------------------|-----|-----|-----|-----|-----|
| Fluid main<br>category<br>ISO 6743-4                                               | Symbol<br>ISO-L | Fluid type                                                            | Fluid<br>Brand       | Fluid designation          | A or W= NBR<br>V or Z = FPM<br>E= EPDM | ST= metallic Surface<br>Treatment required     | P= Polyuerthane<br>E= Epoxy | M= metallic wire<br>mesh<br>A = Microfibre<br>P = Paper | FZP                                      | FZH | FZX | FZB | FZM | FZD |
| MINERAL<br>BASED OILS                                                              | HH              | Untreated refined<br>mineral oils                                     | Generic              | Any                        | A                                      | Any                                            | Any                         | Any                                                     |                                          |     |     |     |     |     |
|                                                                                    | HL              | Refined mineral oils<br>with anti-rust and<br>anti-oxidant properties | Generic              | Any                        | A                                      | Any                                            | Any                         | Any                                                     |                                          |     |     |     |     |     |
|                                                                                    | HM              | HL-type oils with better<br>anti-wear properties                      | Generic              | Any                        | A                                      | Any                                            | Any                         | Any                                                     |                                          |     |     |     |     |     |
|                                                                                    | HV              | HM-type oils with better<br>viscosity / temperature<br>properties     | Generic              | Any                        | A                                      | Any                                            | Any                         | Any                                                     |                                          |     |     |     |     |     |
| ENVIROMENTALLY<br>ACCEPTABLE<br>HYDRAULIC FLUIDS                                   | HETG            | Triglycerides                                                         | Generic              | Any                        | V                                      | Any                                            | Any                         | Any                                                     |                                          |     |     |     |     |     |
|                                                                                    | HEES            | Synthetic ester<br>biodegradable                                      | Generic              | Any                        | V                                      | Any                                            | Any                         | Any                                                     |                                          |     |     |     |     |     |
|                                                                                    | HEES            | Synthetic ester<br>biodegradable                                      | CASTROL              | Bio HE                     | V                                      | Any                                            | Any                         | Any                                                     |                                          |     |     |     |     |     |
|                                                                                    | HEES            | Synthetic ester<br>biodegradable                                      | MOTOREX              | OEKOSYNT HEES              | V                                      | Any                                            | Any                         | Any                                                     |                                          |     |     |     |     |     |
|                                                                                    | HEES            | Synthetic ester<br>biodegradable                                      | SHELL                | PANOLIN S4<br>HLP Synth    | A                                      | Any                                            | Any                         | Any                                                     |                                          |     |     |     |     |     |
|                                                                                    | HEES            | Synthetic ester<br>biodegradable                                      | SHELL                | NATURELLE HF               | V                                      | Any                                            | Any                         | Any                                                     |                                          |     |     |     |     |     |
|                                                                                    | HEPR            | Polyalphaoleofin (PAO)                                                | Generic              | Any                        | V                                      | Any                                            | Any                         | Any                                                     |                                          |     |     |     |     |     |
|                                                                                    | HEPR            | Polyalphaoleofin (PAO)                                                | FUCHS                | RENISO SYNTH 68            | A                                      | Any                                            | Any                         | Any                                                     |                                          |     |     |     |     |     |
| FIRE RESISTANT<br>AQUEOUS FLUIDS                                                   | HFAE            | Fire resistant<br>oil-in-water (O/W)<br>emulsion                      | Generic              | Any                        | A                                      | ST                                             | Any                         | M or A                                                  |                                          |     |     |     |     |     |
|                                                                                    | HFAS            | Fire resistant chemical<br>solution in water                          | Generic              | Any                        | A                                      | ST                                             | Any                         | M or A                                                  |                                          |     |     |     |     |     |
|                                                                                    | HFB             | Fire resistant water-in-oil<br>(W/O) emulsion                         | Generic              | Any                        | A or W                                 | ST                                             | Any                         | M or A                                                  |                                          |     |     |     |     |     |
|                                                                                    | HFC             | Fire resistant water<br>polymer or water glycol<br>solution           | Generic              | Any                        | A or W                                 | ST                                             | Any                         | M or A                                                  |                                          |     |     |     |     |     |
|                                                                                    | HFC             | Fire resistant water<br>polymer or water glycol<br>solution           | QUAKER<br>HOUGHTON   | HOUGHTOSAFE<br>273 CTF     | A or W                                 | ST                                             | Any                         | M or A                                                  |                                          |     |     |     |     |     |
|                                                                                    | HFC             | Fire resistant water<br>polymer or water glycol<br>solution           | QUAKER<br>HOUGHTON   | HOUGHTOSAFE<br>620         | A or W                                 | ST                                             | Any                         | M or A                                                  |                                          |     |     |     |     |     |
|                                                                                    | HFC             | Fire resistant water<br>polymer or water glycol<br>solution           | QUAKER<br>HOUGHTON   | HOUGHTOSAFE<br>440         | A or W                                 | ST                                             | Any                         | M or A                                                  |                                          |     |     |     |     |     |
| FIRE RESISTANT<br>SYNTHETIC<br>ANHYDROUS FLUIDS<br>(PHOSPATE ESTER)                | HFDR            | Synthetic<br>phosphate ester                                          | Generic              | Any                        | V or Z                                 | ST                                             | E                           | M or A                                                  |                                          |     |     |     |     |     |
|                                                                                    | HFDR            | Synthetic<br>phosphate ester                                          | MONSANTO,<br>EASTMAN | SKYDROL 500B-4             | E                                      | Any                                            | E                           | M or A                                                  |                                          |     |     |     |     |     |
|                                                                                    | HFDR            | Synthetic<br>phosphate ester                                          | MONSANTO,<br>EASTMAN | SKYDROL LD-4               | E                                      | Any                                            | E                           | M or A                                                  |                                          |     |     |     |     |     |
|                                                                                    | HFDR            | Synthetic<br>phosphate ester                                          | MONSANTO,<br>EASTMAN | SKYDROL 5                  | E                                      | Any                                            | E                           | M or A                                                  |                                          |     |     |     |     |     |
|                                                                                    | HFDR            | Synthetic<br>phosphate ester                                          | QUAKER<br>HOUGHTON   | HOUGHTOSAFE<br>1120        | V or Z                                 | ST                                             | Any                         | M or A                                                  |                                          |     |     |     |     |     |
|                                                                                    | HFDR            | Synthetic<br>phosphate ester                                          | FYRQUEL              | FYRQUEL EHC                | V                                      | Any                                            | E                           | M or A                                                  |                                          |     |     |     |     |     |
|                                                                                    | HFDR            | Synthetic<br>phosphate ester                                          | SHELL                | TURBO DR46                 | V                                      | Any                                            | E                           | M or A                                                  |                                          |     |     |     |     |     |
| FIRE RESISTANT<br>SYNTHETIC<br>ANHYDROUS FLUIDS<br>(OTHER THAN<br>PHOSPHATE ESTER) | HFDU            | Synhtetic ester<br>fire-resistant                                     | Generic              | Any                        | V or Z                                 | ST                                             | E                           | M or A                                                  |                                          |     |     |     |     |     |
|                                                                                    | HFDU            | Synhtetic ester<br>fire-resistant                                     | HYSYN                | FR                         | A or W                                 | ST                                             | Any                         | M or A                                                  |                                          |     |     |     |     |     |
|                                                                                    | HFDU            | Synhtetic ester<br>fire-resistant                                     | QUAKER<br>HOUGHTON   | QUINTOLUBRIC<br>N822-200FR | V or Z                                 | ST                                             | Any                         | M or A                                                  |                                          |     |     |     |     |     |
|                                                                                    | HFDU            | Synhtetic ester<br>fire-resistant                                     | QUAKER<br>HOUGHTON   | QUINTOLUBRIC<br>N822-300   | V or Z                                 | ST                                             | Any                         | M or A                                                  |                                          |     |     |     |     |     |
|                                                                                    | HFDU            | Synhtetic ester<br>fire-resistant                                     | QUAKER<br>HOUGHTON   | QUINTOLUBRIC<br>822-450    | V or Z                                 | ST                                             | Any                         | M or A                                                  |                                          |     |     |     |     |     |
|                                                                                    | HFDU            | Synhtetic ester<br>fire-resistant                                     | QUAKER<br>HOUGHTON   | QUINTOLUBRIC<br>822-300 CM | A or W                                 | ST                                             | Any                         | M or A                                                  |                                          |     |     |     |     |     |
|                                                                                    | HFDU            | Synhtetic ester<br>fire-resistant                                     | QUAKER<br>HOUGHTON   | QUINTOLUBRIC<br>888-xx     | V or Z                                 | ST                                             | E                           | M or A                                                  |                                          |     |     |     |     |     |

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