

CERTIFICATE OF CONFORMANCE

November 22, 2024

Product: MPF – Magnetic Particle Fluid

Batch No.: 46-K60

It is hereby certified that this material has been manufactured in accordance with, and conforms to ASTM E1444, MIL-STD-1949, A-A-59230 and AMS 2641 Type I. Results of the required quality conformance tests are listed below.

| <u>Test Description</u> | <u>Results</u> |
|---|----------------|
| 3.2.1 Flash point i.a.w. ASTM D93 | >230°F |
| 3.2.2 Viscosity i.a.w. ASTM D445 at 100 ± 1°F | 2.72 cSts |
| 3.2.6 Odor | Conforms |
| 3.2.3 Background fluorescence | Conforms |
| Fluoride content i.a.w. ASTM E165, Annex 4 | 0.0001% BW |
| Chloride residue i.a.w. ASTM E165, Annex 4 | 0.0003% BW |
| Sulfur residue i.a.w. ASTM E165, Annex 4 | 0.0001% BW |

It is further certified that this material meets the requirements of ASME B&PV Code Section V and ASTM E709.

Sherwin Incorporated



Q.C. Laboratory

