

Hydraulic & Lube Oil Filtration

Application Data Sheet — Hydraulic Power Units, Gearboxes, Lubrication Circuits

Filtration World

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CONTACT & PROJECT INFORMATION

Title / Application Name: _____ Date: _____ Tag #: _____
Company: _____ Phone: _____ Email: _____
Address: _____ City: _____ State: _____ Zip: _____ Country: _____

FLUID / OIL DATA

Fluid Type (Mineral Oil, Synthetic, Bio, HF): _____ Brand / Grade / ISO VG: _____
Viscosity @ 40°C (cSt): _____ Viscosity @ 100°C (cSt): _____ Operating Temp — Normal (°F): _____ Operating Temp — Max (°F): _____
Specific Gravity / Density: _____ Flash Point (°F): _____ Fire-Resistant Fluid? (Y/N / Type): _____

SYSTEM & FLOW CONDITIONS

System Flow Rate — Normal (GPM): _____ Flow Rate — Max (GPM): _____ System Operating Pressure (PSIG): _____ Max System Pressure (PSIG): _____
Reservoir Volume (gallons): _____ Duty Cycle (hrs/day): _____ Continuous or Intermittent?: _____
Target ISO Cleanliness Code (e.g. 16/14/11): _____ Current / Baseline ISO Code (if known): _____ NAS Class Target: _____

FILTER LOCATION & TYPE

☐ Pressure (High-Pressure) ☐ Return Line ☐ Off-Line / Kidney Loop ☐ Suction Strainer
☐ Tank Breather ☐ Fill/Transfer ☐ Duplex (Switchable) ☐ Simplex
Required Beta Ratio (e.g. $\beta_{10(c)} \geq 200$): _____ Required Micron Rating (Absolute): _____ Collapse Pressure Rating (PSID): _____
Housing Material (Aluminum / Steel / SS): _____ Inlet/Outlet Port Size & Thread: _____ Bypass Valve Setting (PSID): _____

ELEMENT / MEDIA PREFERENCES

☐ Glass Fiber (High-Efficiency) ☐ Wire Mesh (Cleanable) ☐ Cellulose ☐ Synthetic Fiber
☐ Magnetic Pre-filter ☐ Water-Absorbing Element ☐ Other
Preferred Element Brand / Part # (if any): _____ Element Change Interval Target (hrs/months): _____

INDICATORS, MONITORING & CONTROLS

DP Indicator Required? (Y/N): _____ DP Switch / Alarm (Y/N / Set Point PSID): _____ Visual Indicator (Y/N): _____ Electrical Signal (Y/N): _____
Oil Condition Monitoring? (Y/N): _____ Water Content Sensor? (Y/N): _____ Temperature Sensor? (Y/N): _____
Power Available (V/Ph/Hz): _____ Hazardous Area? (Y/N / Class/Div): _____ Existing Filter Part # / OEM: _____

NOTES / ADDITIONAL REQUIREMENTS

SYSTEM / INSTALLATION SKETCH

Sketch inlet/outlet piping, vessel orientation, and key dimensions here