COOLANT SAMPLING

USING A PUSHBUTTON OR KST-SERIES VALVE

Pushbutton Valve

KST-Series Valve

USING A PUSHBUTTON VALVE

The following is a sampling procedure for the coolant component, which is installed with a pushbutton valve.

1. Take sample under normal operating conditions when possible or immediately after shutting unit down. That will ensure a homogeneous sample of hot flowing coolant.
2. Wipe excess contamination from sample area. Remove the protective cap and wipe the valve with a clean, dry cloth.
3. Press the pushbutton slowly to avoid a sudden burst of coolant. (**CAUTION:** Coolant system is still under pressure when it is hot.)
4. Before taking the sample, attach flush jar and extract coolant. (Minimum flush volume: 15ml or total volume of tube/valve/probe/dead legs of pipe/hose in system upstream of jar) This flushing procedure removes debris or stagnant coolant and ensures a more representative sample. Detach flush jar, discard coolant, retain flush jar for future uses.
5. Attach sample jar and collect sample. Avoid overfilling the sample jar. Fill sample jar to or above the fill line but below the threads of the jar. Seal the jar tightly, wipe clean.
6. Pre-label or label sample jar immediately after filling to avoid mix-ups. Make sure jars are labelled with full sample details (i.e. unit number, component type, date, kilometers/service hours on unit/component/coolant, coolant manufacturer and product name, repairs/service during drain interval, coolant changed Y/N).
7. Ship the sample to the appropriate Fluid Life location immediately. Do not stockpile samples for shipping.

USING A KST-SERIES VALVE

The following is a sampling procedure for the coolant component, which is installed with a KST-Series valve.

1. Take sample under normal operating conditions when possible or immediately after shutting unit down. That will ensure a homogeneous sample of hot flowing coolant.
2. Wipe excess contamination from sample area. Remove the protective cap and wipe the valve with a clean, dry cloth.
3. Slowly push the needle valve probe into the sampling valve. (**CAUTION:** Coolant system is still under pressure when it is hot.)
4. Before taking the sample, attach flush jar and extract coolant. (Minimum flush volume: 15ml or total volume of tube/valve/probe/dead legs of pipe/hose in system upstream of jar) This flushing procedure removes debris or stagnant coolant and ensures a more representative sample. Detach flush jar, discard coolant, retain flush jar for future use.
5. Attach sample jar and collect sample. Avoid overfilling the sample jar. Fill sample jar to or above the fill line but below the threads of the jar. Seal the jar tightly, wipe clean.
6. Pre-label or label sample jar immediately after filling to avoid mix-ups. Make sure jars are labelled with full sample details (i.e. unit number, component type, date, kilometers/service hours on unit/component/coolant, coolant manufacturer and product name, repairs/service during drain interval, coolant changed Y/N).
7. Ship the sample to the appropriate Fluid Life location immediately. Do not stockpile samples for shipping.

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