

WATER SOURCE DETERMINATION



Knowing the type of water that contaminates the oil, helps in the action steps to stop it's presence.


OVERVIEW

- Controlling water/moisture content is key to machine reliability and lubricant longevity. When you have an excessive moisture issue, management starts with the identification of routes of entry. Process leaks, cooling water, rain, steam/condensate and contaminated bulk oil are all possibilities, but where do you start looking?
- Our **Water Source Determination** test package will help identify the culprit and suggest corrective action.

FEATURES

- Easy to read report
- Metals analysis
- Chemical properties analysis
- Concise comments and suggested corrective actions
- Water experts available for consultation

*Required - Contaminated sample with at minimum 50mL free water

 **Southwest Spectro-Chem Labs** LABORATORY DIVISION OF PREVENTIVE MAINTENANCE SERVICES, INC.

Customer # 125466
Location DSI 12
Unit CTP-125-1203
Description WATER SOURCE DETERMINATION

SWSC Lab # A0436
Sample Date 01/14/15
Received Date 01/14/15

1009 LOUISIANA
SOUTH HOUSTON, TX
77587

Water Source Report

Water Analysis


Physical Properties
pH 8.32
Conductivity 82
Total Hardness 16 ppm

Anions (ppm)
Chloride 10

Metal Analysis by ICP (ppm)

ALUMINUM (Al)	0	MOLYBDENUM (Mo)	0
ARSENIC (As)	0	NICKEL (Ni)	0
BORON (B)	0	PHOSPHORUS (P)	0
CALCIUM (Ca)	5	LEAD (Pb)	0
CHROMIUM (Cr)	0	SILICON (Si)	4
COPPER (Cu)	0	SULFUR (S)	0
SODIUM (Na)	1	ANTHRACENE (A)	0
IRON (Fe)	0	ZINC (Zn)	0
MAGNESIUM (Mg)	0		

COMMENTS:
According to our analysis, the water sample found in the oil reservoir most resembles rain water and/or condensate. Therefore, the water source is likely rain water, condensate, or a mixture of the two sources. It is advised to find and eliminate the source of the problem.

Respectfully submitted,

Michael Hamilton
Lab Manager

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