

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

BONE CANNON 1

Component Hydraulic System Fluid AW HYDRAULIC OIL ISO 46 (--- GAL)

DIAGNOSIS

A Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sample NumberClient InfoUSP0011884Sample DateIClient InfoI3 May 2024III May 2024IIII May 2024IIIII May 2024IIIIII May 2024IIIIII May 2024IIIIII May 2024IIIIII May 2024IIIIII May 2024IIIIII May 2024IIIIIII May 2024IIIIII May 2024IIIIIII May 2024IIIIIII May 2024IIIIIII May 2024IIIIIIII May 2024IIIIIII May 2024IIIIIII May 2024IIIIIII May 2024IIIIIIIII May 2024IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
Machine AgehrsClient Info0Oil AgehrsClient Info0Oil ChangedClient InfoN/ASample StatusImatherImatherABNORMALWEAR METALSmethodIimit/basecurrenthistory1history1IronppmASTM D5185m>202ChromiumppmASTM D5185m>20<1NickelppmASTM D5185m>20<1TitaniumppmASTM D5185m>20<1SilverppmASTM D5185m>20<1AluminumppmASTM D5185m>20<1LeadppmASTM D5185m>20<1TinppmASTM D5185m>20<1ppmASTM D5185m>20<1ImatherppmASTM D5185m>20<1TinppmASTM D5185m>20<1ImatherppmASTM D5185m>20<1ImatherppmASTM D5185m>20<1ImatherppmASTM D5185m>20<1ImatherppmASTM D5185m>20<1<
Oil Age hrs Client Info 0 Oil Changed Client Info N/A Sample Status Image Image ABNORMAL Image WEAR METALS method Imit/base current history1 history1 history1 Iron ppm ASTM D5185m >20 2 Chromium ppm ASTM D5185m >20 <1
Oil Changed Client Info N/A Sample Status Imaged Imag
Sample Status method limit/base current history1 history1 WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185m >20 2 Chromium ppm ASTM D5185m >20 <1
WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185m >20 2
Iron ppm ASTM D5185m >20 2 Chromium ppm ASTM D5185m >20 <1 Nickel ppm ASTM D5185m >20 <1 Titanium ppm ASTM D5185m >20 <1 Silver ppm ASTM D5185m <0 <1 Aluminum ppm ASTM D5185m >20 2 Lead ppm ASTM D5185m >20 <1 Tin ppm ASTM D5185m >20 <1
Chromium ppm ASTM D5185m >20 <1
Chromium ppm ASTM D5185m >20 <1 Nickel ppm ASTM D5185m >20 <1
Nickel ppm ASTM D5185m >20 <1 Titanium ppm ASTM D5185m <1 Silver ppm ASTM D5185m >20 21 Aluminum ppm ASTM D5185m >20 2 Lead ppm ASTM D5185m >20 <1 Copper ppm ASTM D5185m >20 <1 Tin ppm ASTM D5185m >20 <1
Titanium ppm ASTM D5185m <1 Silver ppm ASTM D5185m <1
Silver ppm ASTM D5185m <1 Aluminum ppm ASTM D5185m >20 2 Lead ppm ASTM D5185m >20 <1 Copper ppm ASTM D5185m >20 <1 Tin ppm ASTM D5185m >20 <12
Aluminum ppm ASTM D5185m >20 2 Lead ppm ASTM D5185m >20 <1
Lead ppm ASTM D5185m >20 <1 Copper ppm ASTM D5185m >20 12 Tin ppm ASTM D5185m >20 <1
Copper ppm ASTM D5185m >20 12 Tin ppm ASTM D5185m >20 <1
Tin ppm ASTM D5185m >20 <1
Vanadium ppm ASTM D5185m <1
Cadmium ppm ASTM D5185m <1
ADDITIVES method limit/base current history1 history
Boron ppm ASTM D5185m 5 0
Barium ppm ASTM D5185m 5 0
Molybdenum ppm ASTM D5185m 5 <1
Manganese ppm ASTM D5185m 0
Magnesium ppm ASTM D5185m 25 1
Calcium ppm ASTM D5185m 200 32
Phosphorus ppm ASTM D5185m 300 323
Zinc ppm ASTM D5185m 370 285
Sulfur ppm ASTM D5185m 2500 850
CONTAMINANTS method limit/base current history1 history
Silicon ppm ASTM D5185m >15 1
Sodium ppm ASTM D5185m 34
Potassium ppm ASTM D5185m >20 2
Water % ASTM D6304 >0.05 0.019
ppm Water ppm ASTM D6304 >500 199
FLUID CLEANLINESS method limit/base current history1 history
Particles >4μm ASTM D7647 >5000 ▲ 15307
Particles >6μm ASTM D7647 >1300 • 1790
Particles >14μm ASTM D7647 >160 140
Particles >21μm ASTM D7647 >40 50
Particles >38μm ASTM D7647 >10 6
Particles >71μm ASTM D7647 >3 0
Oil Cleanliness ISO 4406 (c) >19/17/14 ▲ 21/18/14
FLUID DEGRADATION method limit/base current history1 history
Acid Number (AN) mg KOH/g ASTM D8045 0.57 0.20



OIL ANALYSIS REPORT



Contact/Location: SERVICE MANAGER - SMITAR

history1

history

history1

no image

no image

214

38L

15855 HWY. 87 WEST

TARHEEL, NC

US 28392

T:

F:

history2

history

history2

no image

no imade

4406

:1999 Cle

14

3/24