

Oil Analysis - Mineral

Sample Number : KRR067-064
Job Name : General Hospital
Customer Name : Joe's AC Service
Manufacturer : Carrier
Unit Model : 19DG5343CD
Serial Number : 12345
Equipment ID : 12345
Machine Hours : 19945

Report Number : RR01493-001
Date Sampled : 2/20/2003
Sampled By : Joe Smith
Contact Person : Joe Smith
Date Received : 2/27/2003
Date Analyzed : 3/1/2003
Reported By : Michael Coronel

Units	Limits	Current Sample	Previous Samples	
			12/25/2002	10/30/2002
Water ppm	< 500	126	92	127
Acid Number mg KOH/g		0.577	1.051	0.866
Chloride ppm	< 20	N/A	N/A	N/A
Fluoride ppm		N/A	N/A	N/A
Ion Activity µS/cm	< 200	N/A	N/A	N/A
Aluminum ppm	< 15	< 1	1	2
Copper ppm	< 400	272	503	730
Chromium ppm	< 15	< 1	< 1	< 1
Iron ppm	< 25	16	40	52
Nickel ppm	< 15	< 1	< 1	< 1
Lead ppm	< 15	1	1	1
Tin ppm	< 15	38	112	139
Zinc ppm		262	176	211
Phosphorus ppm		252	347	701
Oil Type		Mineral	Mineral	Mineral

Comments:

Routine Maintenance

RECOMMENDATIONS:

Tin is high. This may indicate the start of a corrosive condition. Check the machine history for trends in wear metals or take another sample to start trend analysis. High tin content in the absence of corrosive contaminants can be due to bearing wear. The bearing wear can be caused by vibration or by poor lubrication.

This report is based on a single sample. Tracking multiple samples over time provides the best information about equipment and fluid condition.