



LUBRICANT CHEMISTRY MANAGEMENT



OVERVIEW

Collector elements are designed for ECR® electrostatic oil cleaners. ECR Collector elements are not classified as filters as they do not remove particles by their physical size, but rather their weight. Collectors are used to remove sub micron particulates in EHC fluid systems that are below the range of ISO4406. ECR collectors are the opposite of our ICB® filters which only remove dissolved contamination. For a complete solution, ECR collectors would be used along with ICB filtration to address both contamination types.

REQUIREMENTS:

Fluids with elevated acids >0.15, water >500 ppm, and resistivity <8 gohms would prevent ECR collectors from working to their potential. For this reason, these values should be returned to specification using ICB and TMR® N2 first.

PERFORMANCE MEASUREMENT:

- Patch weight at 0.45 microns
- MPC ΔL reduction
- EPT Clean Oil Fluid Technical Center ACE™ testing is available until results are confirmed



ECR® Collector Element

EHC System Filtration Solution

NOTES AND SPECIFICATIONS

OEM	EPT Clean Oil™
Seals	None
Packaging	11"x11"x25"
Dimensions	9.75"x24"
Materials	Aluminum, Stainless Steel, Thermoplastic and Proprietary Media
Temp. Range	100 - 150 °F
Weight	10 lbs
Effective Surface Area	27,400 square inches / 190 square feet
Part Number Selection	<p>600990 for normal operation when resistivity values >8 Gohm cm</p> <p>600907 for short term operation when resistivity values <8 Gohm cm</p>
Replacement Interval	<p>Clean-Up Mode: Changed every two (2) weeks, for the first eight (8) weeks or until fluid is confirmed to meet ASTM D8323-21 targets.</p> <p>Maintenance Mode: Once fluid targets are achieved, Collector change timelines extend to every three (3) months.</p>

cleanoil.com

1-403-246-3044 | #17 3900 -106th Ave. SE Calgary, AB T2C 5B6 | Canada

ECR, ICB and TMR are registered trademarks of 1441413 Alberta Inc. dba EPT Clean Oil. © 1441413 Alberta Inc dba EPT Clean Oil_2024. ■ PB_3035007_V03