

OIL ANALYSIS REPORT

Sample Rating Trend



827 Component Diesel Engine Fluid PETRO CANADA DURON SHP 10W30 (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Machine Id

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sample NumberClient InfoPCA0114441PCA0114410PCA0114429Sample DateIClient Info07 Jun 202426 Apr 202415 Mar 2024Machine AgemlsClient Info242480237923232822Oil AgemlsClient Info450053005000Oil ChangedIClient InfoChangedChangedChangedSample StatusIIINORMALImit/DaseCurrentNistory1CONTAMINATIONmethodlimit/basecurrenthistory1history2WaterWC Method>0.2NEGNEGNEGGlycolWC Method>0.2NEGNEGNEGWEAR METALSmethodlimit/basecurrenthistory1history2IronppmASTM D5185m>200<1<132NickelppmASTM D5185m>20<1<12NickelppmASTM D5185m>3000SilverppmASTM D5185m>3000AluminumppmASTM D5185m>20337
Machine AgemlsClient Info242480237923232822Oil AgemlsClient Info450053005000Oil ChangedClient InfoChangedChangedChangedSample StatusIINORMALSEVERECONTAMINATIONmethodlimit/basecurrenthistory1history2WaterWC Method>0.2NEGNEGNEGGlycolWC MethodO.2NEGNEGNEGWEAR METALSmethodlimit/basecurrenthistory1history2IronppmASTM D5185m>10071132ChromiumppmASTM D5185m>20<1<12NickelppmASTM D5185m>4001TitaniumppmASTM D5185m>3000
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Sample StatusImage: Sample StatusNORMALSEVERECONTAMINATIONmethodlimit/basecurrenthistory1history2WaterWC Method>0.2NEGNEGNEGGlycolWC Method>0.2NEGNEGNEGWEAR METALSmethodlimit/basecurrenthistory1history2IronppmASTM D5185m>100711132ChromiumppmASTM D5185m>20<1<12NickelppmASTM D5185m>4001TitaniumppmASTM D5185m>3000
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GlycolWC MethodNEGNEGNEGWEAR METALSmethodlimit/basecurrenthistory1history2IronppmASTM D5185m>10071132ChromiumppmASTM D5185m>20<1<12NickelppmASTM D5185m>4001TitaniumppmASTM D5185m>3000SilverppmASTM D5185m>3000
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >100 7 11 32 Chromium ppm ASTM D5185m >20 <1 <1 2 Nickel ppm ASTM D5185m >4 0 0 1 Titanium ppm ASTM D5185m >3 0 0 0
Iron ppm ASTM D5185m >100 7 11 32 Chromium ppm ASTM D5185m >20 <1
Chromium ppm ASTM D5185m >20 <1
Chromium ppm ASTM D5185m >20 <1
Nickel ppm ASTM D5185m >4 0 0 1 Titanium ppm ASTM D5185m O 0 0 0 Silver ppm ASTM D5185m >3 0 0 0
Titanium ppm ASTM D5185m 0 0 0 Silver ppm ASTM D5185m >3 0 0 0
Silver ppm ASTM D5185m >3 0 0 0
Lead ppm ASTM D5185m >40 0 0
Copper ppm ASTM D5185m >330 0 0 0
Tin ppm ASTM D5185m >15 <1 0 <1
Vanadium ppm ASTM D5185m 0 0 0
Cadmium ppm ASTM D5185m 0 0 0
ADDITIVES method limit/base current history1 history2
Boron ppm ASTM D5185m 2 6 13 91
Barium ppm ASTM D5185m 0 0 0 0
Molybdenum ppm ASTM D5185m 50 53 50 6
Manganese ppm ASTM D5185m 0 <1
Magnesium ppm ASTM D5185m 950 916 865 70
Calcium ppm ASTM D5185m 1050 1031 1129 1845
Phosphorus ppm ASTM D5185m 995 1059 1045 841
Zinc ppm ASTM D5185m 1180 1211 1202 1009
Sulfur ppm ASTM D5185m 2600 3559 3576 3370
CONTAMINANTS method limit/base current history1 history2
Silicon ppm ASTM D5185m >25 6 6 6
Sodium ppm ASTM D5185m 2 2 2
Potassium ppm ASTM D5185m >20 1 1 7
Potassium ppm ASTM D5185m >20 1 1 7
Potassium ppm ASTM D5185m >20 1 1 7 Fuel % ASTM D3524 >5 <1.0
Potassium ppm ASTM D5185m >20 1 1 7 Fuel % ASTM D3524 >5 <1.0
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Fuel Dilution

Severe 8. 6 fuel

Abnorma

Mar1

100

8

60 cSt (40°C) 40

20

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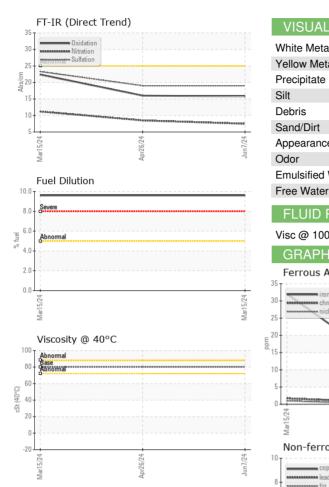
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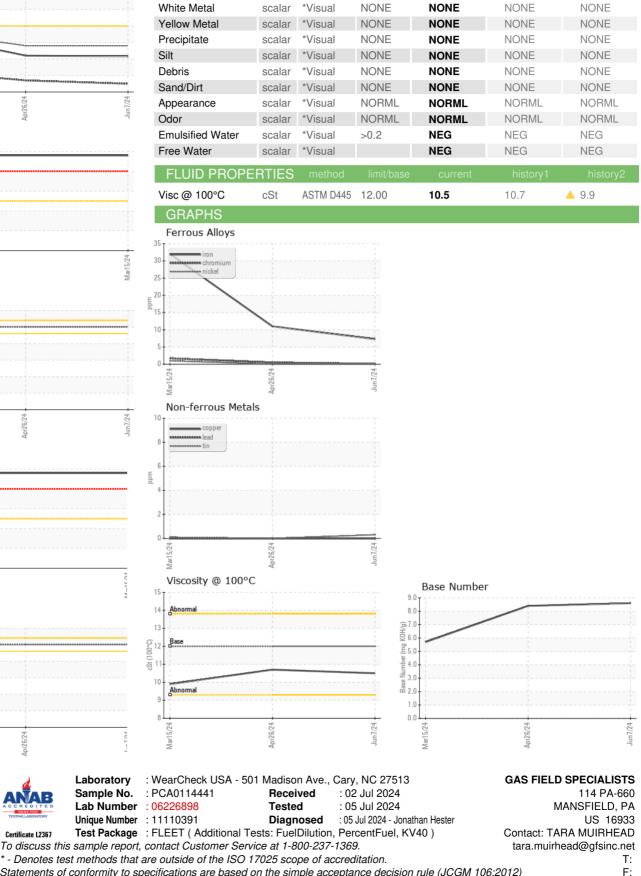
Viscosity @ 40°C

orma

10.0

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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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Certificate 12367

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