

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Machine Id

KENWROTH T880 5668 (S/N 1XKZDP9X8R361010)

Diesel Engine

Fluid SHELL ROTELLA T 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

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 Number Client Info WC0917121 WC0878857 WC0878738 Sample Date I Client Info I0 Jul 2024 08 Apr 2024 25 Jan 2024 Machine Age mls Client Info 43489 31296 21715 Oil Age mls Client Info 0 0 0 Oil Changed E Client Info O 0 0 Oil Changed Client Info O 0 0 0 Sample Status I Imit/base Current NORMAL NORMAL CONTAMINATION method Imit/base current history1 history2 Fuel WC Method >0.2 NEG NEG NEG Glycol WC Method >0.2 NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m<>100 21 34 59 Chromium ppm ASTM D5185m
Machine AgemlsClient Info434893129621715Oil AgemlsClient Info0000Oil ChangedClient InfoChangedN/AChangedSample StatusImageImageNORMALNORMALNORMALCONTAMINATIONmethodlimit/basecurrenthistory1history2FuelWC Method>5<1.0<1.00.5WaterWC Method>0.2NEGNEGNEGGlycolWC Method>0.2NEGNEGNEGWEAR METALSmethodlimit/basecurrenthistory1history2IronppmASTM D5185m>100213459ChromiumppmASTM D5185m>4000NickelppmASTM D5185m>400<1MaterianppmASTM D5185m00<1<1
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GlycolWC MethodNEGNEGNEGWEAR METALSmethodlimit/basecurrenthistory1history2IronppmASTM D5185m>100213459ChromiumppmASTM D5185m>200<1<1NickelppmASTM D5185m>4000TitaniumppmASTM D5185m00<1<1
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Chromium ppm ASTM D5185m >20 0 <1
Nickel ppm ASTM D5185m >4 0 0 0 Titanium ppm ASTM D5185m 0 0 <1
Titanium ppm ASTM D5185m 0 <1
Silver ppm ASTM D5185m >3 <1 0 0
Aluminum ppm ASTM D5185m >20 6 15 40
Lead ppm ASTM D5185m >40 0 <1 <1
Copper ppm ASTM D5185m >330 2 5 12
Tin ppm ASTM D5185m >15 <1
Vanadium ppm ASTM D5185m 0 <1
Cadmium ppm ASTM D5185m 0 0 0
ADDITIVES method limit/base current history1 history2
Boron ppm ASTM D5185m 316 8 16 22
Barium ppm ASTM D5185m 0.0 0 0 0
Molybdenum ppm ASTM D5185m 1.2 17 24 16
Manganese ppm ASTM D5185m <1
Magnesium ppm ASTM D5185m 24 203 370 663
Calcium ppm ASTM D5185m 2292 2107 1895 1411
Phosphorus ppm ASTM D5185m 1064 939 874 723
Zinc ppm ASTM D5185m 1160 1135 1013 919
Sulfur ppm ASTM D5185m 4996 3978 3501 2819
CONTAMINANTS method limit/base current history1 history2
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>2591013
Silicon ppm ASTM D5185m >25 9 10 13
Silicon ppm ASTM D5185m >25 9 10 13 Sodium ppm ASTM D5185m 2 3 4
Silicon ppm ASTM D5185m >25 9 10 13 Sodium ppm ASTM D5185m 2 3 4 Potassium ppm ASTM D5185m >20 15 41 118
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Silicon ppm ASTM D5185m >25 9 10 13 Sodium ppm ASTM D5185m 22 3 4 Potassium ppm ASTM D5185m >20 15 41 118 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.2 0.3 0.3 Nitration Abs/cm *ASTM D7624 >20 9.1 9.7 10.8
Silicon ppm ASTM D5185m >25 9 10 13 Sodium ppm ASTM D5185m 22 3 4 Potassium ppm ASTM D5185m >20 15 41 118 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.2 0.3 0.3 Nitration Abs/cm *ASTM D7624 >20 9.1 9.7 10.8 Sulfation Abs/.1mm *ASTM D7415 >30 21.8 22.0 24.2

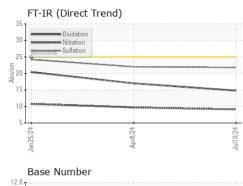


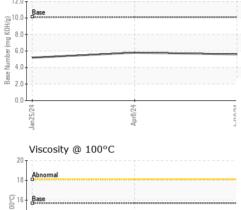
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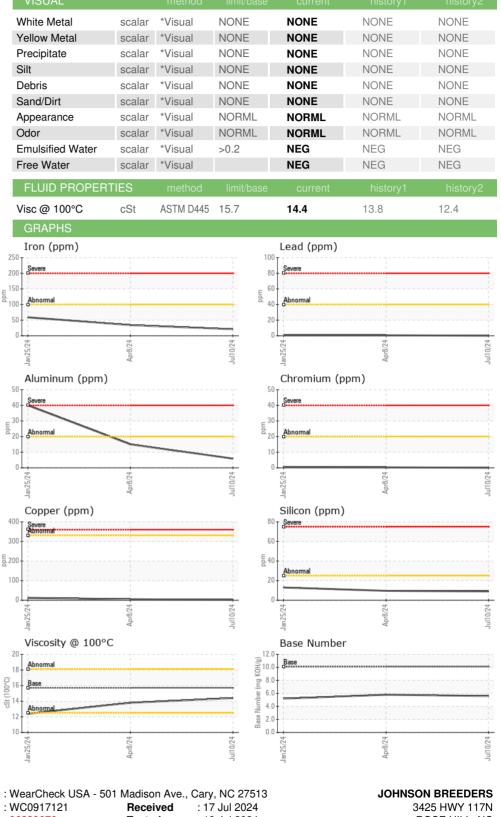
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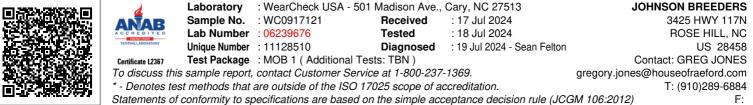
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Apr8/24





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Contact/Location: GREG JONES - JOHROSNC