

WEAR CONTAMINATION FLUID CONDITION

NORMAL

ABNORMAL

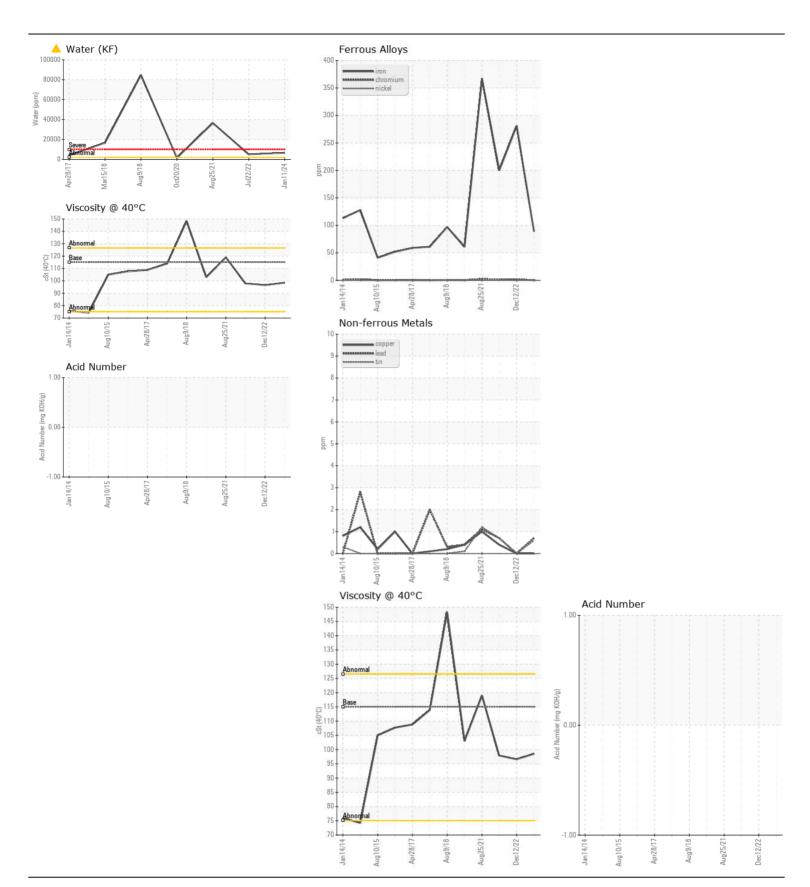
NORMAL



Mobile Fleet
Machine Id
7603 7603
Component
Right Chain Drive

DIESEL ENGINE OIL SAE 15W40 (2 GAL)

Test
We advise that you check for the source of water entry. Resample at the next service interval to monitor. There is too much water present in this sample to perform a particle count. Sample Date Machine Age hrs Client Info 7785 7115 6723 7116 6720 1176 784 7785 7115 6723 7116 784 7785 7116 784 7785 7116 784
We advise that you check for the source of water entry. Resample at the next service interval to monitor. There is too much water present in this sample to perform a particle count. Sample Date Machine Age Nrs Cilient Info 670 7785 7715 6723 771
Machine Age hrs Client Info 7785 7115 6723 ## Machine Age hrs Client Info 670 1176 784 ## Titler Age hrs Client Info 670 0 0 ## Client Info 670 Not Changd Not Changd
Oil Age hrs Client Info 670 1176 784 Filter Age hrs Client Info 670 0 0 0 Oil Changed Client Info Not Changd Changed Not Changd Changed Not Changd Changed Not Changd Changed Not Changd Not Changd Changed Not Changd No
Client Info
Filter Changed Sample Status
Sample Status Sample Sta
Iron ppm ASTM D5185m >200 89 281 200
Chromium ppm ASTM D5185m >10 <1 2 1 Nickel ppm ASTM D5185m >10 <1 0 <1 Titanium ppm ASTM D5185m >10 <1 0 <1 Titanium ppm ASTM D5185m >10 <1 <1 <1 <1 <1 <1 <1
Chromium ppm ASTM D5185m >10 <1 2 1 Nickel ppm ASTM D5185m >10 <1 0 <1 Titanium ppm ASTM D5185m >10 <1 0 <1 1
Nickel ppm ASTM D5185m >10 <1 <1 <1 <1 <1 <1 <1
Titanium ppm ASTM D5185m <1 <1 <1 <1 <1 <1 <1 <
Silver ppm ASTM D5185m 4 12 13 Lead ppm ASTM D5185m 4 12 13 Lead ppm ASTM D5185m 4 12 13 Lead ppm ASTM D5185m 0 0 <1 Copper ppm ASTM D5185m 0 0 <1 Vanadium ppm ASTM D5185m 0 0 <1 Vanadium ppm ASTM D5185m 0 0 <1 Vanadium ppm ASTM D5185m 0 NONE NONE Valed scalar *Visual NONE NONE NONE NONE Vellow Metal scalar *Visual NONE NONE NONE NONE There is a moderate concentration of water present in the oil. Silicon ppm ASTM D5185m ≥0 2 2 2 2 Potassium ppm ASTM D5185m ≥20 2 2 2 2 Water % ASTM D6304 >0.2
Aluminum ppm ASTM D5185m 4 12 13 Lead ppm ASTM D5185m < 1 0 <1 Copper ppm ASTM D5185m < 0 0 <1 Tin ppm ASTM D5185m < 1 0 <1 Vanadium ppm ASTM D5185m < 1 0 <1 Vanadium ppm ASTM D5185m < 0 0 <1 Vanadium ppm ASTM D5185m 0 0 <1 Vanadium ppm ASTM D5185m 0 NONE LIGHT NONE Yellow Metal scalar *Visual NONE NONE NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE N
Copper ppm ASTM D5185m 0 0 <1
Tin ppm ASTM D5185m <1
Vanadium ppm ASTM D5185m 0 0 <1
White Metal Yellow Metal scalar *Visual NONE NONE LIGHT NONE Yellow Metal scalar *Visual NONE NONE NONE CONTAMINATION Silicon ppm ASTM D5185m >20 2 2 2 Potassium ppm ASTM D6304 >0.2 ≥0.657 ▲ 0.505 ppm Water ppm ASTM D6304 >2000 ♠ 6570 ▲ 5050 Particles >4μm ASTM D7647 >2000 ▲ 18498 Particles >14μm ASTM D7647 >640 ▲ 1715 Particles >21μm ASTM D7647 >40 ▲ 578 Particles >38μm ASTM D7647 >40 ▲ 89
Yellow Metal scalar *Visual NONE NONE NONE CONTAMINATION Silicon ppm ASTM D5185m ≥2 2 2 2 Potassium ppm ASTM D6304 >0.2 ▲ 0.657 ▲ 0.505 ppm Water ppm ASTM D6304 >2000 ▲ 6570 ▲ 5050 Particles >4μm ASTM D7647 >20000 18498 Particles >14μm ASTM D7647 >640 ▲ 1715 Particles >21μm ASTM D7647 >40 ▲ 578 Particles >38μm ASTM D7647 >40 ▲ 89
Silicon ppm ASTM D5185m 25 56 52 Potassium ppm ASTM D5185m >20 2 2 2 Water % ASTM D6304 >0.2 ▲ 0.657 ▲ 0.505 ppm Water ppm ASTM D6304 >2000 ▲ 6570 ▲ 5050 Particles >4μm ASTM D7647 >20000 18498 Particles >14μm ASTM D7647 >5000 ▲ 10077 Particles >21μm ASTM D7647 >640 ▲ 1715 Particles >21μm ASTM D7647 >40 ▲ 578 Particles >38μm ASTM D7647 >40 ▲ 89
Potassium ppm ASTM D5185m >20 2 2 2 2 Water % ASTM D6304 >0.2 ▲ 0.657 ▲ 0.505 ppm Water ppm ASTM D6304 >2000 ▲ 6570 ▲ 5050 Particles >4μm ASTM D7647 >20000 18498 Particles >14μm ASTM D7647 >5000 ASTM D7647 >5000 ASTM D7647 >5000 ASTM D7647 >640
Potassium ppm ASTM D5185m >20 2 2 2 2 Water % ASTM D6304 >0.2 ▲ 0.657 ▲ 0.505 ppm Water ppm ASTM D6304 >2000 ▲ 6570 ▲ 5050 Particles >4μm ASTM D7647 >20000 18498 Particles >14μm ASTM D7647 >5000 ASTM D7647 >5000 ASTM D7647 >5000 ASTM D7647 >640
There is a moderate concentration of water present in the oil. Water % ASTM D6304 >0.2 ▲ 0.657 ▲ 0.505 ppm Water ppm ASTM D6304 >2000 ▲ 6570 ▲ 5050 Particles >4μm ASTM D7647 >20000 18498 Particles >6μm ASTM D7647 >5000 ▲ 10077 Particles >14μm ASTM D7647 >640 ▲ 1715 Particles >21μm ASTM D7647 >160 ▲ 578 Particles >38μm ASTM D7647 >40 ▲ 89
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Particles >21μm ASTM D7647 >160 Δ 578 Particles >38μm ASTM D7647 >40 Δ 89
Particles >38μm ASTM D7647 >40 ▲ 89
'
Oil Cleanliness ISO 4406 (c) >21/19/16 ▲ 21/21/18
Silt scalar *Visual NONE LIGHT NONE NONE
Debris scalar *Visual NONE NONE VLITE ▲ MODER
Sand/Dirt scalar *Visual NONE NONE NONE NONE
Appearance scalar *Visual NORML NORML NORML NORML
Odorscalar*VisualNORMLNORMLNORMLNORML
Emulsified Water scalar *Visual >0.2 ▲ 0.2% NEG ▲ 0.2%
FLUID CONDITION Sodium ppm ASTM D5185m >158 3 4 5
Boron ppm ASTM D5185m 250 48 54 64
The condition of the oil is acceptable for the time in service. Barium ppm ASTM D5185m 10 0 0
Molybdenum ppm ASTM D5185m 100 31 35 35
Manganese ppm ASTM D5185m 1 2 2
Magnesium ppm ASTM D5185m 450 422 432 476
Calcium ppm ASTM D5185m 3000 1598 1388 1507
Phosphorus ppm ASTM D5185m 1150 789 682 689
Zinc ppm ASTM D5185m 1350 919 840 869
Sulfur ppm ASTM D5185m 4250 3730 3109 3046
Visc @ 40°C cSt ASTM D445 115 98.5 96.6 97.9







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 06064174

: WC0861887 : 10835556

Recieved Diagnosed

: 18 Jan 2024 : 20 Jan 2024 Diagnostician : Don Baldridge

Test Package : CONST (Additional Tests: KF, PrtCount) To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) **CAROLINA SUNROCK**

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