

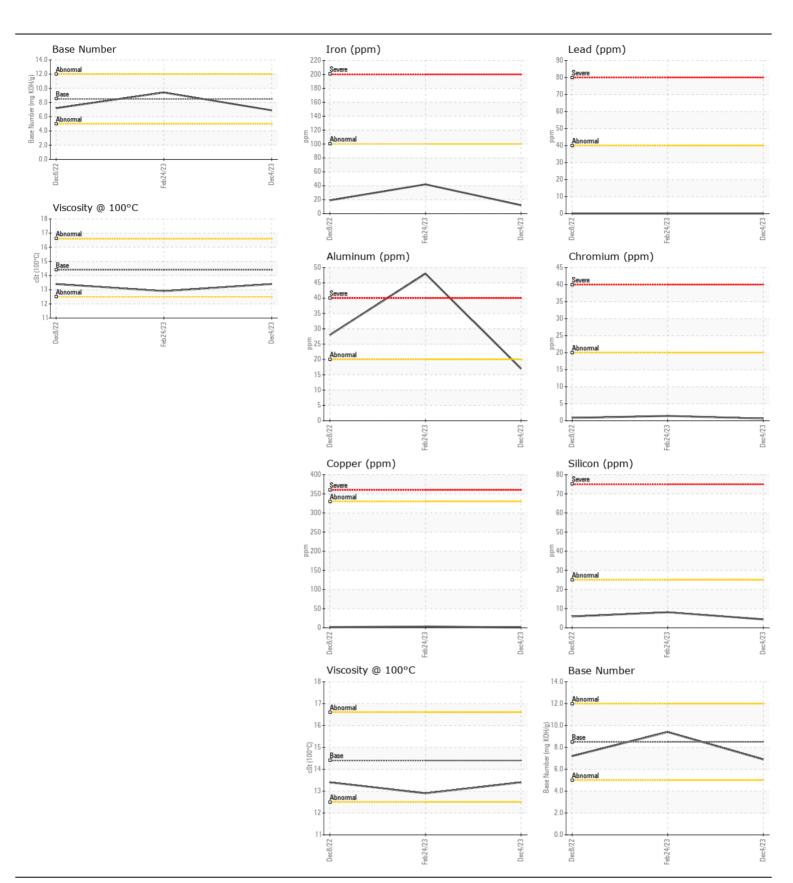
WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

Machine Id **1779**

Component Piecel Engine

| Test | | | | | | |
|------------------------------|---|--|--|--|--------------|-------------|
| | | NA - NI | Lines/Alex | (| L I Pakanani | 11:-1 |
| | UOM | Method | Limit/Abn | Current | History1 | History2 |
| Sample Number Sample Date | | Client Info | | WC0870674 | WC0793029 | WC0761261 |
| | mla | Client Info | | 04 Dec 2023 | 24 Feb 2023 | 08 Dec 2022 |
| Machine Age | mls | Client Info | | 39259 | 24065 | 18857 |
| | | | | - | | 0 |
| | mis | | | - | | 0 |
| | | | | | Ü | Not Change |
| | | Client Info | | | Ü | Not Change |
| Sample Status | | | | NORMAL | NORWAL | NORMAL |
| Iron | ppm | ASTM D5185m | >100 | 12 | 42 | 19 |
| Chromium | ppm | ASTM D5185m | >20 | <1 | 1 | <1 |
| Nickel | ppm | ASTM D5185m | >4 | <1 | 0 | <1 |
| Titanium | ppm | ASTM D5185m | | 0 | <1 | 0 |
| Silver | ppm | ASTM D5185m | >3 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >20 | 17 | 48 | 28 |
| Lead | ppm | ASTM D5185m | >40 | 0 | 0 | 0 |
| Copper | ppm | ASTM D5185m | >330 | <1 | 3 | 2 |
| Tin | ppm | ASTM D5185m | >15 | <1 | <1 | <1 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| 0:1: | | AOTM DE LOS | | | | |
| | • | | | | | 6 |
| | ppm | | | - | | 70 |
| | | | | | | <1.0 |
| | | | >0.2 | | | NEG |
| • | 0/ | | 0 | | | NEG |
| | | | | | | 0.4 |
| | | | | | | 9.3 |
| | | | | | | 18.3 |
| | | | | | | NONE |
| | | | | | | NONE |
| | | | | | | NONE |
| | | | | | | NORML |
| | | | | | | NEG |
| Liliuisilleu vvalei | Scalai | visuai | >0.2 | | NLG | NLG |
| Sodium | ppm | ASTM D5185m | >158 | 2 | 15 | 3 |
| Boron | ppm | ASTM D5185m | 250 | 39 | 27 | 46 |
| Barium | ppm | ASTM D5185m | 10 | 4 | 0 | 1 |
| Molybdenum | ppm | ASTM D5185m | 100 | 79 | 76 | 73 |
| Manganese | ppm | ASTM D5185m | | 0 | 1 | <1 |
| Magnesium | ppm | ASTM D5185m | 450 | 137 | 39 | 32 |
| Calcium | ppm | | | 1882 | 2011 | 1886 |
| Phosphorus | ppm | ASTM D5185m | 1150 | 940 | 869 | 888 |
| Zinc | ppm | ASTM D5185m | 1350 | 1150 | 1107 | 1063 |
| Sulfur | ppm | | | 3523 | 3643 | 3209 |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 13.9 | 15.2 | 13.1 |
| Base Number (BN) | mg KOH/g | ASTM D2896 | 8.5 | 6.9 | 9.4 | 7.2 |
| Visc @ 100°C | cSt | | 14.4 | 13.4 | 12.9 | 13.4 |
| | Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Oxidation Base Number (BN) | Filter Age Oil Changed Filter Changed Sample Status Iron ppm Chromium ppm Nickel ppm Titanium ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Silicon ppm Potassium ppm Fuel Water Glycol Soot % % Nitration Abs/cm Sulfation Abs/.tmm Silt scalar Sand/Dirt scalar Appearance scalar Codor scalar Emulsified Water scalar Sodium ppm Boron ppm Barium ppm Molybdenum ppm Manganese ppm Magnesium ppm Calcium ppm Calcium ppm Calcium ppm Sulfur p | Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Ppm ASTM D5185m Chromium Ppm ASTM D5185m Titanium Ppm ASTM D5185m Silver Aluminum Ppm ASTM D5185m Copper Ppm ASTM D5185m Tin Ppm ASTM D5185m Vanadium Vellow Metal Scalar Visual Silicon Ppm ASTM D5185m Potassium Ppm ASTM D5185m Fuel WC Method Water WC Method Water WC Method Soot % % ASTM D5185m Fuel WC Method Soot % % ASTM D5185m Vanadium Ppm ASTM D5185m Visual Visual Visual Silt Scalar Visual Sand/Dirt Scalar Appearance Scalar Visual Scalar Appearance Scalar Scalar Visual Sodium Ppm ASTM D5185m Boron Ppm ASTM D5185m Barium Ppm ASTM D5185m Barium Ppm ASTM D5185m ASTM D518 | Filter Age mls Client Info Oil Changed Client Info Filter Changed Client Info Sample Status Client Info Iron ppm ASTM D5185m >100 Chromium ppm ASTM D5185m >20 Nickel ppm ASTM D5185m >4 Titanium ppm ASTM D5185m >3 Aluminum ppm ASTM D5185m >20 Lead ppm ASTM D5185m >40 Copper ppm ASTM D5185m >33 Tin ppm ASTM D5185m >33 Vanadium ppm ASTM D5185m >33 White Metal scalar *Visual NONE Yellow Metal scalar *Visual NONE Silicon ppm ASTM D5185m >20 Water WC Method >5 Fuel WC Method >0.2 Water WC Method >0.2 Solf % *ASTM D7844 | Filter Age | Filter Age |





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

: WC0870674 : 06059853 : 10831235

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 12 Jan 2024 Diagnosed : 15 Jan 2024

Diagnostician : Wes Davis

Test Package : MOB 1 (Additional Tests: TBN) Certificate L2367 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)

WAKE COUNTY PUBLIC SCHOOL SYSTEM

1551 ROCK QUARRY ROAD RALEIGH, NC US 27610

Contact: DEVIN WEBER dweber@wcpss.net

T: (919)856-8076 F: x: