WEAR CONTAMINATION **FLUID CONDITION**

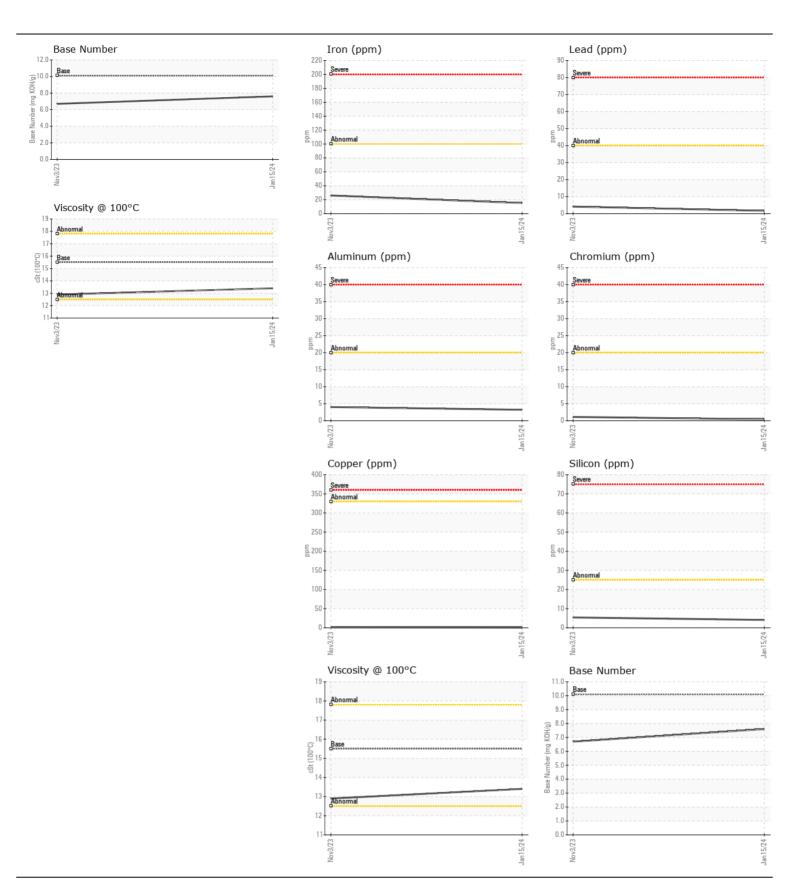
NORMAL NORMAL NORMAL

Rockaway

KENWORTH 1237

Diesel Engine

| RECOMMENDATION | Test | UOM | Method | Limit/Abn | Current | History1 | History |
|---|------------------------|----------|-------------|-------------|-------------|-------------|---------|
| TECOMMENDATION | Sample Number | OOW | Client Info | LITTIO/ NOT | WC0840413 | WC0774752 | |
| Resample at the next service interval to monitor. | Sample Date | | Client Info | | 15 Jan 2024 | 03 Nov 2023 | |
| | Machine Age | hrs | Client Info | | 650 | 450 | |
| | Oil Age | hrs | Client Info | | 450 | 450 | |
| | Filter Age | hrs | Client Info | | 450 | 450 | |
| | Oil Changed | | Client Info | | Changed | Changed | |
| | Filter Changed | | Client Info | | Changed | Changed | |
| | Sample Status | | | | NORMAL | NORMAL | |
| VEAR | Iron | nnm | ASTM D5185m | . 100 | 45 | 26 | |
| VEAR | | ppm | | | 15 | 2 0 | |
| Metal levels are typical for a new component breaking in. | Chromium | ppm | ASTM D5185m | | <1 | 1 | |
| | Nickel | ppm | ASTM D5185m | >4 | <1 | <1 | |
| | Titanium | ppm | ASTM D5185m | 0 | 0 | <1 | |
| | Silver | ppm | ASTM D5185m | | 0 | <1 | |
| | Aluminum | ppm | ASTM D5185m | | 3 | 4 | |
| | Lead | ppm | ASTM D5185m | | 2 | 4 | |
| | Copper | ppm | ASTM D5185m | | <1 | 1 | |
| | Tin | ppm | ASTM D5185m | >15 | <1 | <1 | |
| | Vanadium | ppm | ASTM D5185m | NONE | <1 | 0 | |
| | White Metal | scalar | *Visual | NONE | NONE | NONE | |
| | Yellow Metal | scalar | *Visual | NONE | NONE | NONE | |
| CONTAMINATION | Silicon | ppm | ASTM D5185m | >25 | 4 | 5 | |
| There is no indication of any contamination in the oil. | Potassium | ppm | ASTM D5185m | >20 | 6 | 16 | |
| | Fuel | | WC Method | >5 | <1.0 | <1.0 | |
| | Water | | WC Method | >0.2 | NEG | NEG | |
| | Glycol | | WC Method | | NEG | NEG | |
| | Soot % | % | *ASTM D7844 | >3 | 0.3 | 0.5 | |
| | Nitration | Abs/cm | *ASTM D7624 | >20 | 8.1 | 10.3 | |
| | Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 19.3 | 22.4 | |
| | Silt | scalar | *Visual | NONE | NONE | NONE | |
| | Debris | scalar | *Visual | NONE | NONE | NONE | |
| | Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | |
| | Appearance | scalar | *Visual | NORML | NORML | NORML | |
| | Odor | scalar | *Visual | NORML | NORML | NORML | |
| | Emulsified Water | scalar | *Visual | >0.2 | NEG | NEG | |
| LUID CONDITION | Sodium | ppm | ASTM D5185m | | 2 | 0 | |
| ESIS CONSTITION | Boron | ppm | ASTM D5185m | | 13 | 7 | |
| The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service. | Barium | ppm | ASTM D5185m | | 0 | <1 | |
| | Molybdenum | ppm | ASTM D5185m | 66 | 62 | 69 | |
| | Manganese | ppm | ASTM D5185m | | <1 | <1 | |
| | Magnesium | ppm | ASTM D5185m | 1000 | 791 | 806 | |
| | Calcium | ppm | ASTM D5185m | | 1162 | 1341 | |
| | Phosphorus | ppm | ASTM D5185m | | 1032 | 1014 | |
| | Zinc | ppm | ASTM D5185m | | 1232 | 1255 | |
| | Sulfur | ppm | ASTM D5185m | , 0 | 3141 | 3007 | |
| | Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 15.1 | 18.3 | |
| | Base Number (BN) | | | | 7.6 | 6.7 | |
| | (בוע) וישנוווטטו (בוע) | my nony | | 10.1 | | 0.7 | |







Certificate L2367

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

: WC0840413 : 06075592 : 10857683

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

: 31 Jan 2024 : 31 Jan 2024 Diagnosed Diagnostician : Wes Davis

Test Package : MOB 1 (Additional Tests: TBN)

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.

INTERSTATE WASTE-ROCKAWAY 311 WEST MAIN STREET, STE 8

ROCKAWAY, NJ

US 07866

Contact: Service Manager

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

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