OIL ANALYSIS REPORT

WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

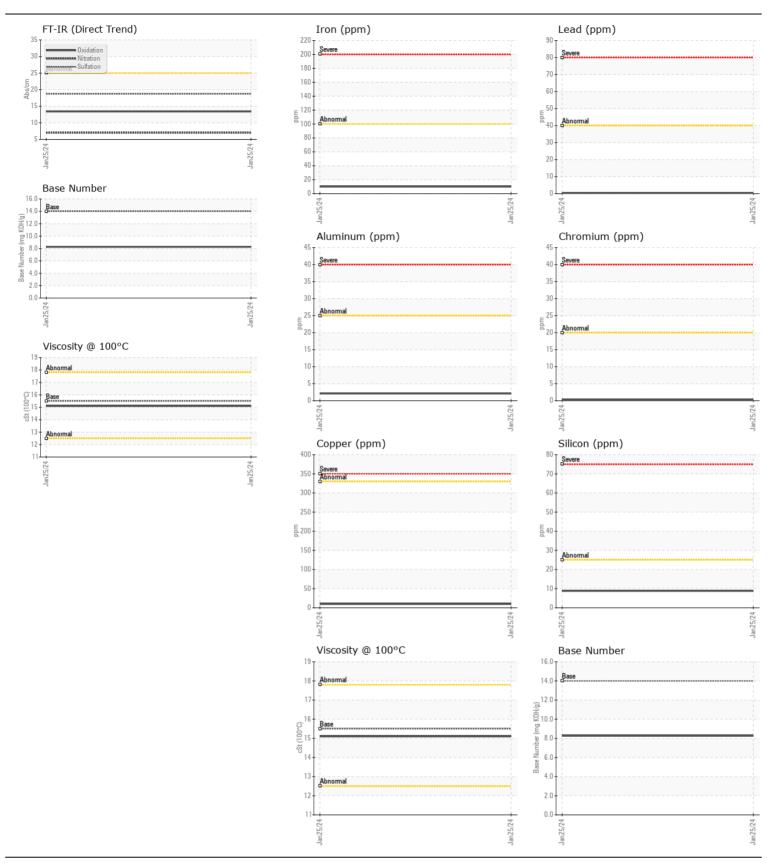
Machine Id

PETERBILT 89

Diesel Engine

TRC PRO-SPEC IV 15W40 (12 GAL)

| Test | UOM | Method | Limit/Abn | Current | History1 | History |
|------------------|--|---|--|---|--|--|
| Sample Number | | Client Info | | TR06152193 | | |
| Sample Date | | Client Info | | 25 Jan 2024 | | |
| Machine Age | mls | Client Info | | 0 | | |
| Oil Age | mls | Client Info | | 0 | | |
| Filter Age | mls | Client Info | | 3569286 | | |
| Oil Changed | | Client Info | | Changed | | |
| Filter Changed | | Client Info | | Changed | | |
| Sample Status | | | | NORMAL | | |
| Iron | nnm | ASTM D5185m | >100 | 10 | | |
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| | | | >15 | | | |
| | | | NONE | _ | | |
| | | | | | | |
| Yellow Metal | scalar | *Visual | NONE | NONE | | |
| Silicon | ppm | ASTM D5185m | >25 | 9 | | |
| Potassium | ppm | ASTM D5185m | >20 | 10 | | |
| Fuel | | WC Method | >5 | <1.0 | | |
| Water | | WC Method | >0.2 | NEG | | |
| Glycol | | WC Method | | NEG | | |
| Soot % | % | *ASTM D7844 | >3 | 0.1 | | |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 7.0 | | |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 18.7 | | |
| Silt | scalar | *Visual | NONE | NONE | | |
| Debris | scalar | *Visual | NONE | NONE | | |
| Sand/Dirt | | *Visual | | | | |
| | | *Visual | | | | |
| Odor | | *Visual | | | | |
| Emulsified Water | | *Visual | >0.2 | NEG | | |
| Codium | | ACTM DE10Em | | Δ | | |
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| - | | | 0000 | | | |
| | | | 2300 | | | |
| · | | | 1000 | | | |
| | | | 1200 | | | |
| | ppm | | | | | |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 13.4 | | |
| Base Number (BN) | | | | 8.26 | | |
| | Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow 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 | Sample Number Sample Date Machine Age mls Oil Age mls Filter Age mls Oil Changed Filter Changed Sample Status Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Yellow Metal scalar Silicon ppm Potassium ppm Fuel Water Glycol Soot % % Nitration Abs/Imm 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 Phosphorus Zinc ppm Sulfur ppm Sulfur ppm Sulfur | Sample Number Sample Date Machine Age Oil Age Mls Client Info Client Info Client Info Machine Age Oil Age Mls Client Info Client Info Client Info Mls Client Info Eta *Visual *Vi | Sample Number Sample Date Machine Age MIS Client Info Machine Age MIS Client Info Oil Age MIS Client Info Filter Age MIS Client Info Client Info Filter Age MIS Client Info Client Info Filter Age MIS Client Info Client Info Client Info Filter Changed Filter Changed Sample Status Iron Ppm ASTM D5185m S2 Chromium Ppm ASTM D5185m S2 Titanium Ppm ASTM D5185m S2 Aluminum Ppm ASTM D5185m S30 Tin Ppm ASTM D5185m White Metal Scalar Visual NONE Yellow Metal Scalar Yoisual NONE Silicon Ppm ASTM D5185m S2 Potassium Ppm ASTM D5185m S2 Fuel WC Method Soot WC Method Soot WC Method Soot WC Method Soot Sulfation Abs/cm *ASTM D7624 S20 Sulfation Abs/lmm *ASTM D7625 S20 | Sample Number Client Info TR06152193 Sample Date Client Info 25 Jan 2024 Machine Age mls Client Info 0 Oil Age mls Client Info 0 Filter Age mls Client Info 3569286 Oil Changed Client Info Changed Filter Changed Client Info Changed Sample Status NORMAL Iron ppm ASTM D5185m >100 10 Chromium ppm ASTM D5185m >20 <1 | Sample Number Sample Date Client Info Sample Date Client Info 25 Jan 2024 Machine Age mls Client Info 0 Oil Age mls Client Info 0 Filter Age mls Client Info 0 Oil Changed Client Info Changed Client Info Changed Client Info Changed Filter Changed Client Info Changed Filter Changed Client Info Changed Filter Changed Client Info Changed Sample Status NORMAL Iron ppm ASTM D5185m > 20 <1 Nickel ppm ASTM D5185m > 20 <1 Nickel ppm ASTM D5185m > 2 0 Silver ppm ASTM D5185m > 2 0 ASTM D5185m > 2 0 Copper ppm ASTM D5185m > 330 10 Vanadim ppm ASTM D5185m > 15 <1 Vanadim ppm ASTM D5185m > 15 <1 Vanadim ppm ASTM D5185m > 25 9 Valued ppm ASTM D5185m > 25 9 Valued ppm ASTM D5185m > 20 10 Valued ppm ASTM D5185m > 20 10 Valued ppm ASTM D5185m > 20 10 Fuel WC Method > 0.2 NEG Water WC Method > 0.2 NEG Glycol WC Method > 0.2 NEG Silicon ppm ASTM D5185m NONE NONE Debris scalar *Visual NONE NONE Sodium ppm ASTM D5185m NONE NONE Sodium ppm ASTM D5185m ASTM D5185m |





Certificate L2367

Laboratory Sample No.

Lab Number : 06152193 Unique Number : 10982271

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : TR06152193

Tested Test Package : MOB 2

Diagnosed

: 17 Apr 2024

Received

: 18 Apr 2024 : 18 Apr 2024 - Wes Davis

US 78572 Contact: ROY SAGREDO JR

To discuss this sample report, contact Customer Service at 1-800-827-0711.

* - 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)

T:

F:

ROY SAGREDO

MISSION, TX