MOB

WEAR CHECK

OIL ANALYSIS REPORT

| | |
|---|---|
| WEAR | ABNORMAL |
| CONTAMINATION | NORMAL |
| FLUID CONDITION | NORMAL |

Area
**2H28**
Machine Id
**PETERBILT 348 RTK9956 (S/N 2NP3LJ0X4JM467278)**
Component
**Transmission (Auto)**
Fluid
**DEXRON III (--- GAL)**

## RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

## WEAR

The iron level is abnormal. All other component wear rates are normal.

## CONTAMINATION

There is no indication of any contamination in the fluid.

## FLUID CONDITION

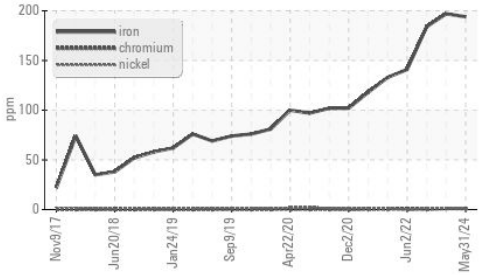
The condition of the fluid is acceptable for the time in service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---|---|---|---|---|---|---|
| Sample Number | | Client Info | | ARI0004600 | ARI0007313 | ARI0004571 |
| Sample Date | | Client Info | | 31 May 2024 | 13 Feb 2024 | 02 Oct 2023 |
| Machine Age | mls | Client Info | | 147891 | 143583 | 137402 |
| Oil Age | mls | Client Info | | 0 | 0 | 0 |
| Filter Age | mls | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Filter Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Sample Status | | | | ABNORMAL | ABNORMAL | ABNORMAL |
| Iron | ppm | ASTM D5185m | >160 | ▲ 194 | ▲ 197 | ▲ 184 |
| Chromium | ppm | ASTM D5185m | >5 | <1 | 1 | <1 |
| Nickel | ppm | ASTM D5185m | >5 | <1 | 1 | 1 |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Silver | ppm | ASTM D5185m | >5 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >50 | 34 | 36 | 34 |
| Lead | ppm | ASTM D5185m | >50 | 10 | 10 | 10 |
| Copper | ppm | ASTM D5185m | >225 | 11 | 12 | 12 |
| Tin | ppm | ASTM D5185m | >10 | 2 | 2 | 2 |
| Vanadium | ppm | ASTM D5185m | | <1 | <1 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | ▲ MODER |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Silicon | ppm | ASTM D5185m | >20 | 9 | 10 | 9 |
| Potassium | ppm | ASTM D5185m | >20 | 8 | 8 | 8 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | NONE |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >0.1 | NEG | NEG | NEG |
| Sodium | ppm | ASTM D5185m | | 11 | 11 | 8 |
| Boron | ppm | ASTM D5185m | | 80 | 99 | 93 |
| Barium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Manganese | ppm | ASTM D5185m | | 4 | 4 | 3 |
| Magnesium | ppm | ASTM D5185m | | 0 | <1 | <1 |
| Calcium | ppm | ASTM D5185m | | 39 | 46 | 41 |
| Phosphorus | ppm | ASTM D5185m | | 267 | 309 | 272 |
| Zinc | ppm | ASTM D5185m | | 6 | 4 | 0 |
| Sulfur | ppm | ASTM D5185m | | 828 | 806 | 795 |
| Visc @ 40°C | cSt | ASTM D445 | 35.0 | 36.7 | 35.4 | 35.7 |

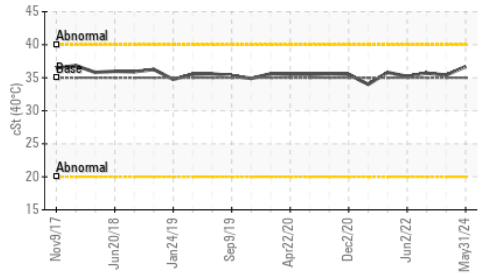
Report Id: AR5208CHE [WUSCAR] 06223919 (Generated: 07/01/2024 17:21:47) Rev: 1

Contact/Location: ANDY RICHTER - AR5208CHE

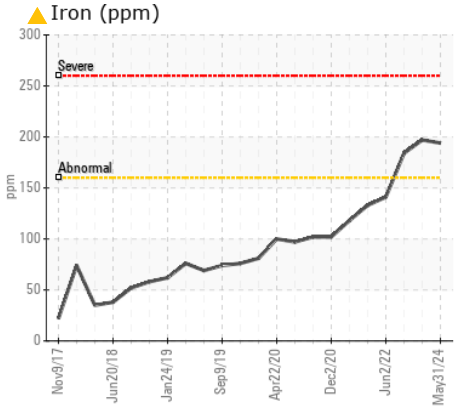
Ferrous Alloys



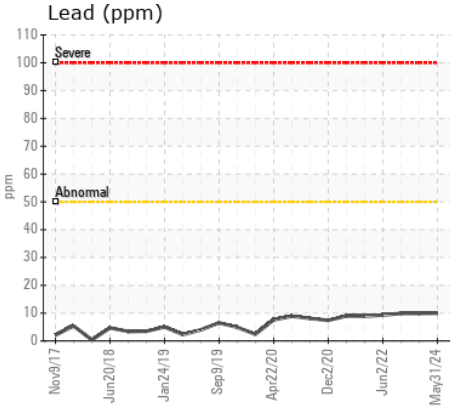

Viscosity @ 40°C



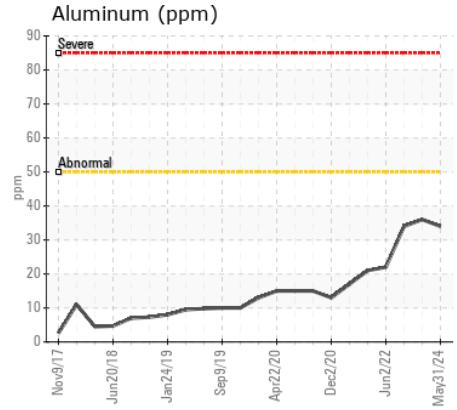

Iron (ppm)



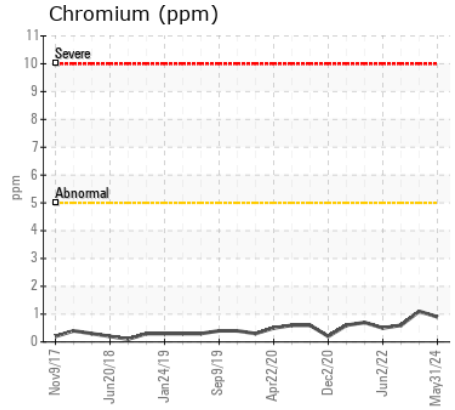

Lead (ppm)



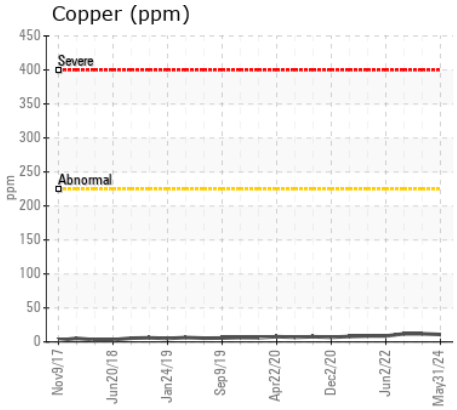

Aluminum (ppm)



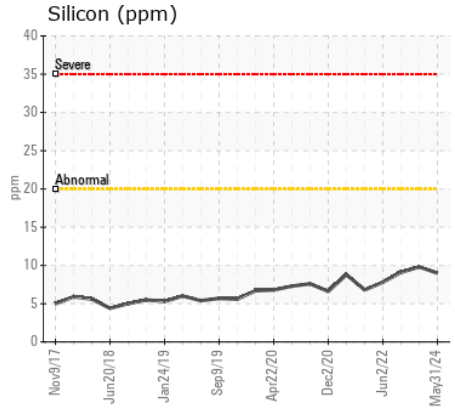

Chromium (ppm)



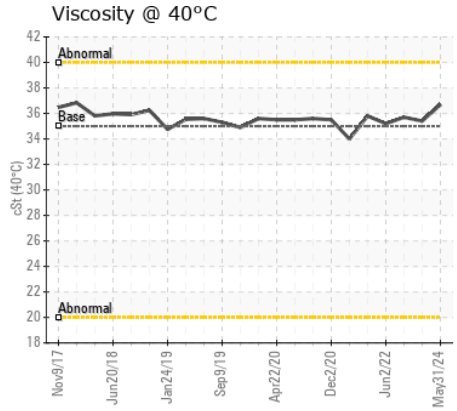

Copper (ppm)



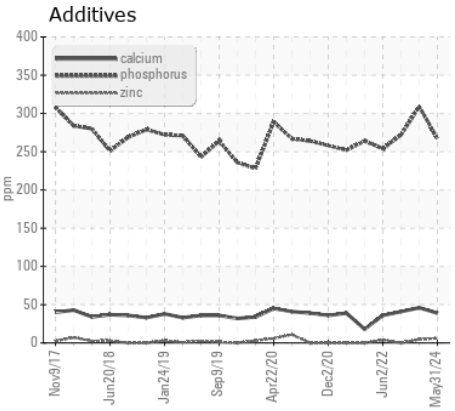

Silicon (ppm)




Viscosity @ 40°C




Additives




Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513
**Sample No.** : ARI0004600
**Lab Number** : 06223919
**Unique Number** : 11102116
**Test Package** : MOBCE

**Received** : 28 Jun 2024
**Tested** : 01 Jul 2024
**Diagnosed** : 01 Jul 2024 - Angela Borella

*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)*

**INSITUFORM TECHNOLOGIES, INC**
17988 EDISON AVE.
CHESTERFIELD, MO
US 63005
Contact: ANDY RICHTER
ARICHTER@INSITUFORM.COM
T: (314)280-7555
F: