CONST

WEAR CHECK

OIL ANALYSIS REPORT

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

Machine Id
**015-R014**
Component
**Front Left Final Drive**
Fluid
**SCHAEFFER SCHAEFFER 293 MOLY 75W90 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: Left front final drive sample @ 7393 hours )

## WEAR

All component wear rates are normal.

## CONTAMINATION

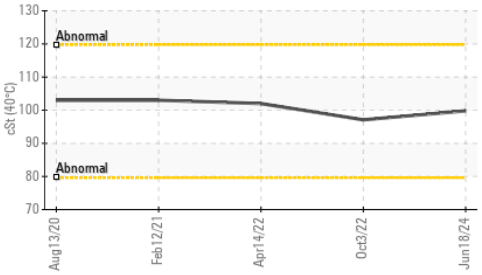
There is no indication of any contamination in the oil.

## FLUID CONDITION

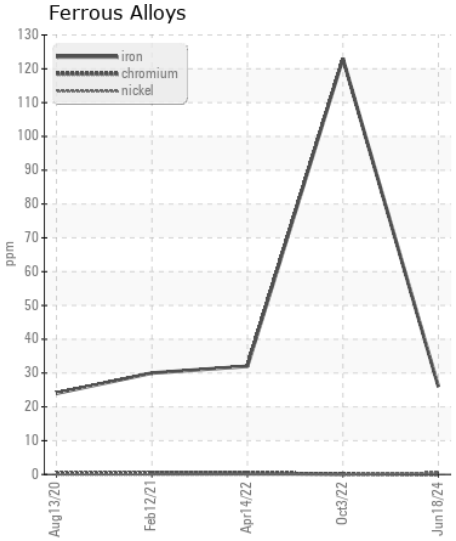
The condition of the oil is acceptable for the time in service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---|---|---|---|---|---|---|
| Sample Number | | Client Info | | WC0868308 | WC0698151 | WC0548443 |
| Sample Date | | Client Info | | 18 Jun 2024 | 03 Oct 2022 | 14 Apr 2022 |
| Machine Age | hrs | Client Info | | 7393 | 21160 | 20124 |
| Oil Age | hrs | Client Info | | 7393 | 0 | 0 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Changd | Not Changd | Changed |
| Filter Changed | | Client Info | | N/A | Not Changd | Changed |
| Sample Status | | | | NORMAL | ABNORMAL | NORMAL |
| Iron | ppm | ASTM D5185m | >500 | 26 | 123 | 32 |
| Chromium | ppm | ASTM D5185m | >10 | 0 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >10 | <1 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | 0 | <1 | 0 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Aluminum | ppm | ASTM D5185m | >25 | <1 | 3 | 1 |
| Lead | ppm | ASTM D5185m | >25 | 0 | <1 | 1 |
| Copper | ppm | ASTM D5185m | >50 | 10 | 4 | 10 |
| Tin | ppm | ASTM D5185m | >10 | <1 | 0 | 1 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | LIGHT |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Silicon | ppm | ASTM D5185m | >75 | 3 | 7 | 12 |
| Potassium | ppm | ASTM D5185m | >20 | 4 | 3 | 3 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | ▲ MODER | 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 | >0.2 | NEG | NEG | NEG |
| Sodium | ppm | ASTM D5185m | | 10 | 0 | 7 |
| Boron | ppm | ASTM D5185m | | 186 | 15 | 201 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 0 | 379 | 6 |
| Manganese | ppm | ASTM D5185m | | 2 | 4 | 1 |
| Magnesium | ppm | ASTM D5185m | | <1 | 4 | 7 |
| Calcium | ppm | ASTM D5185m | | 15 | 16 | 103 |
| Phosphorus | ppm | ASTM D5185m | | 1281 | 1191 | 1331 |
| Zinc | ppm | ASTM D5185m | | 145 | 30 | 70 |
| Sulfur | ppm | ASTM D5185m | | 26439 | 25716 | 19942 |
| Visc @ 40°C | cSt | ASTM D445 | | 99.8 | 97.1 | 102 |

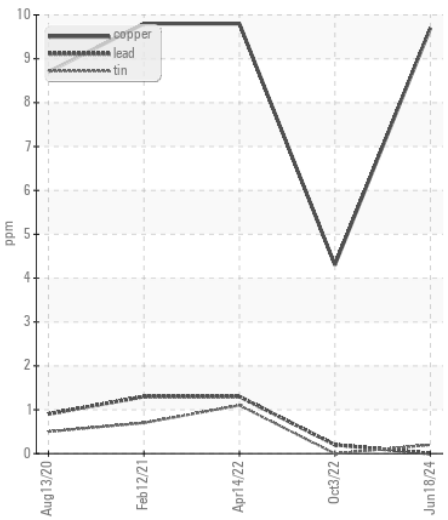
Viscosity @ 40°C



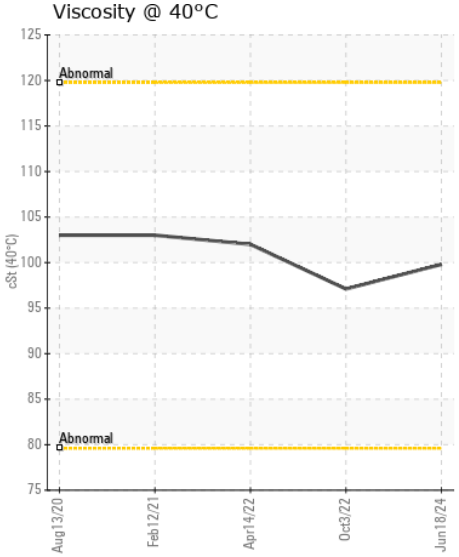

Ferrous Alloys




Non-ferrous Metals




Viscosity @ 40°C




**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513
**Sample No.** : WC0868308
**Lab Number** : 06217203
**Unique Number** : 11090067
**Test Package** : CONST

**Received** : 21 Jun 2024
**Tested** : 24 Jun 2024
**Diagnosed** : 24 Jun 2024 - Don Baldridge

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)*

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