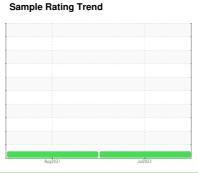


OIL ANALYSIS REPORT

Galy Line [Galv Line] 670025-TEMPER MILL TOP SPINDLE

Gearbox

PETRO CANADA ENDURATEX EP 220 (--- GAL)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

| GAL) | | | Aug2021 | Jul2023 | <u> </u> | |
|---------------|--------|--------------|------------|-------------|-------------|----------|
| SAMPLE INFOR | MATION | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | PCA0101477 | PCA0054803 | |
| Sample Date | | Client Info | | 01 Jul 2023 | 21 Aug 2021 | |
| Machine Age | hrs | Client Info | | 0 | 0 | |
| Oil Age | hrs | Client Info | | 0 | 0 | |
| Oil Changed | | Client Info | | N/A | Not Changd | |
| Sample Status | | | | NORMAL | NORMAL | |
| WEAR METAL | _S | method | limit/base | current | history1 | history2 |
| PQ | | ASTM D8184 | | 14 | | |
| Iron | ppm | ASTM D5185m | >200 | 13 | 6 | |
| Chromium | ppm | ASTM D5185m | >15 | 0 | 0 | |
| Nickel | ppm | ASTM D5185m | >15 | <1 | 0 | |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | |
| Silver | ppm | ASTM D5185m | | 0 | 0 | |
| Aluminum | ppm | ASTM D5185m | >25 | 0 | <1 | |
| Lead | ppm | ASTM D5185m | >100 | <1 | 0 | |
| Copper | ppm | ASTM D5185m | >200 | 0 | 0 | |
| Tin | ppm | ASTM D5185m | >25 | 0 | 0 | |
| Antimony | ppm | ASTM D5185m | >5 | | 0 | |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | |
| Cadmium | ppm | ASTM D5185m | | 0 | 0 | |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | 60 | 3 | 12 | |
| Barium | ppm | ASTM D5185m | 0 | 0 | <1 | |
| Molybdenum | ppm | ASTM D5185m | 0 | <1 | 0 | |
| Manganese | ppm | ASTM D5185m | 0 | <1 | 0 | |
| Magnesium | ppm | ASTM D5185m | 0 | <1 | 0 | |
| Calcium | ppm | ASTM D5185m | 0 | 8 | 5 | |
| Phosphorus | ppm | ASTM D5185m | 270 | 286 | 271 | |
| Zinc | ppm | ASTM D5185m | 0 | 8 | 5 | |
| Sulfur | ppm | ASTM D5185m | 11200 | 11794 | 8301 | |
| CONTAMINAN | NTS | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >50 | 0 | <1 | |
| Sodium | ppm | ASTM D5185m | | 0 | 0 | |
| Potassium | ppm | ASTM D5185m | >20 | <1 | 0 | |
| FLUID DEGRA | DATION | method | limit/base | current | history1 | history2 |
| | 1/01:: | 10711 006 :- | | | | |

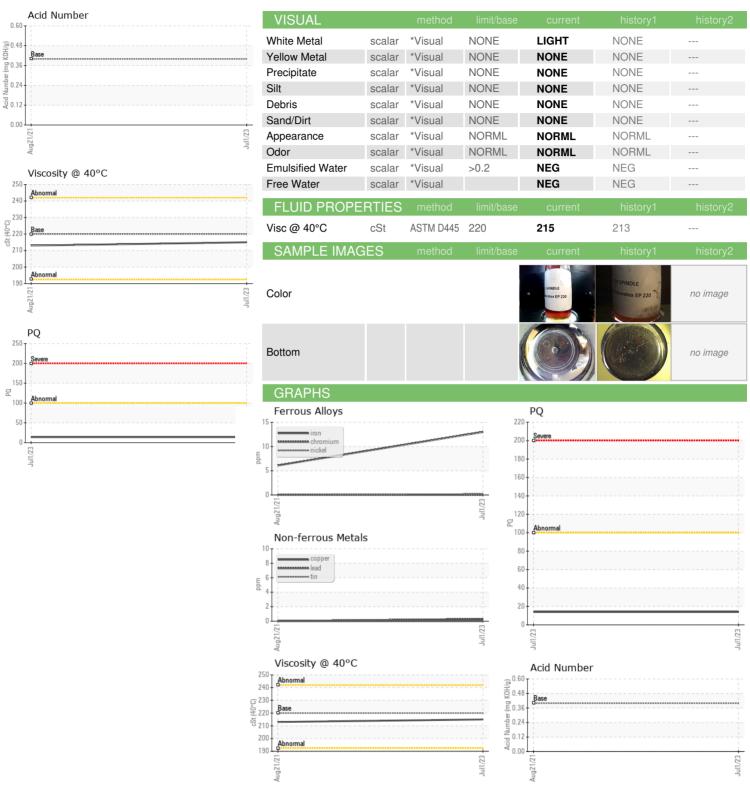
0.58

Acid Number (AN)

mg KOH/g ASTM D8045 0.40



OIL ANALYSIS REPORT





Certificate L2367

Laboratory Sample No. Lab Number

Unique Number

: PCA0101477 : 05929796 : 10615067 Test Package : PLANT

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 21 Aug 2023 Diagnosed : 22 Aug 2023

: Wes Davis Diagnostician

SDI - Steel DynamicsInc. - Heartland 455 West Industrial Drive

Terre Haute, IN US 47802

Contact: BRAD ELLIS brad.ellis@steeldynamics.com

T:

* - 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)

F: