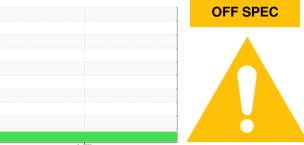


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

OR890

Right Final Drive

PETRO CANADA ENDURATEX EP 220 (--- 0

DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. 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

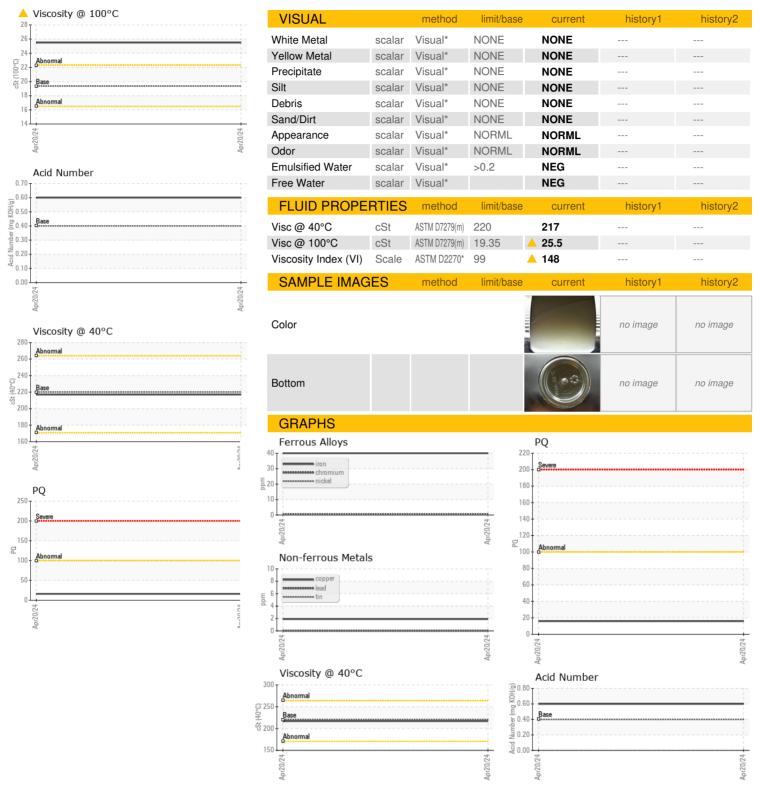
Fluid Condition

The oil viscosity is higher than typical. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

| GAL) | | | | Apr2024 | | |
|------------------|----------|---------------|------------|-------------|----------|----------|
| SAMPLE INFOR | MATION | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | PC0087896 | | |
| Sample Date | | Client Info | | 20 Apr 2024 | | |
| Machine Age | hrs | Client Info | | 8510 | | |
| Oil Age | hrs | Client Info | | 0 | | |
| Oil Changed | | Client Info | | Changed | | |
| Sample Status | | | | ABNORMAL | | |
| CONTAMINAT | TION | method | limit/base | current | history1 | history2 |
| Water | | WC Method | >0.2 | NEG | | |
| WEAR METAL | _S | method | limit/base | current | history1 | history2 |
| PQ | | ASTM D8184* | | 16 | | |
| Iron | ppm | ASTM D5185(m) | >500 | 40 | | |
| Chromium | ppm | ASTM D5185(m) | >10 | <1 | | |
| Nickel | ppm | ASTM D5185(m) | >10 | 0 | | |
| Titanium | ppm | ASTM D5185(m) | | <1 | | |
| Silver | ppm | ASTM D5185(m) | | 0 | | |
| Aluminum | ppm | ASTM D5185(m) | >25 | 7 | | |
| Lead | ppm | ASTM D5185(m) | >25 | 0 | | |
| Copper | ppm | ASTM D5185(m) | >50 | 2 | | |
| Tin | ppm | ASTM D5185(m) | >10 | 0 | | |
| Antimony | ppm | ASTM D5185(m) | >5 | 0 | | |
| Vanadium | ppm | ASTM D5185(m) | | 0 | | |
| Beryllium | ppm | ASTM D5185(m) | | 0 | | |
| Cadmium | ppm | ASTM D5185(m) | | 0 | | |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185(m) | 60 | 25 | | |
| Barium | ppm | ASTM D5185(m) | 0 | 0 | | |
| Molybdenum | ppm | ASTM D5185(m) | 0 | 0 | | |
| Manganese | ppm | ASTM D5185(m) | 0 | <1 | | |
| Magnesium | ppm | ASTM D5185(m) | 0 | 26 | | |
| Calcium | ppm | ASTM D5185(m) | 0 | 35 | | |
| Phosphorus | ppm | ASTM D5185(m) | 270 | 393 | | |
| Zinc | ppm | ASTM D5185(m) | 0 | 19 | | |
| Sulfur | ppm | ASTM D5185(m) | 11200 | 4556 | | |
| Lithium | ppm | ASTM D5185(m) | | <1 | | |
| CONTAMINAN | NTS | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185(m) | >75 | 28 | | |
| Sodium | ppm | ASTM D5185(m) | 270 | 2 | | |
| Potassium | ppm | ASTM D5185(m) | >20 | 2 | | |
| FLUID DEGRA | - 1 | ` ' | limit/base | current | history1 | history2 |
| Acid Number (AN) | mg KOH/g | ASTM D974* | 0.40 | 0.60 | | |
| | J 9 | | - | | | |



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Lab Number Unique Number : 5772525

: PC0087896 : 02631372

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Green Infrastructure and Partners Inc (GIPI) - 286 - Shoring & Foundations

Received : 25 Apr 2024 **Tested** Diagnosed

: 25 Apr 2024 : 26 Apr 2024 - Kevin Marson

Stouffville, ON CA L4A 2G8 Contact: Shannon Abbott sabbott@gipi.com T: (905)750-5900

151 Ram Forest Rd,

Test Package : IND 2 (Additional Tests: KV100, VI) To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.