

Machine Id
K611
 Component
Reciprocating Compressor
 Fluid
PETRO CANADA SENTRON LD 3000 (--- LTR)

OIL ANALYSIS REPORT

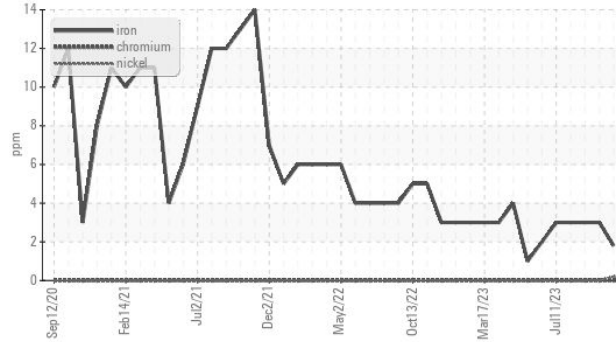
| Sample | | Wear Metals | | | | | | | | | | | | Contaminants | | | Additives | | | | | | | | | | |
|---------------|-------------|-------------|----------|--------|----------|--------|----------|------|--------|-----|----------|----------|-----------|--------------|---------|--------|-----------|-------|--------|------------|-----------|-----------|---------|------------|------|--------|---------|
| Sample Number | Sample Date | Iron | Chromium | Nickel | Titanium | Silver | Aluminum | Lead | Copper | Tin | Antimony | Vanadium | Beryllium | Cadmium | Silicon | Sodium | Potassium | Boron | Barium | Molybdenum | Manganese | Magnesium | Calcium | Phosphorus | Zinc | Sulfur | Lithium |
| | | >50 | >10 | | | | >25 | >25 | >50 | >15 | | | | | >25 | | >20 | 5 | 1 | 2 | 1 | 5 | 1220 | 298 | 350 | 1995 | |
| PC0085485 | 17 Jan 2024 | 2 | 0 | <1 | 0 | 0 | 1 | 1 | 17 | <1 | 0 | 0 | 0 | 0 | 4 | <1 | 1 | 1 | 0 | 0 | 0 | 6 | 1303 | 264 | 256 | 2087 | <1 |
| PC90000452 | 30 Oct 2023 | 3 | 0 | 0 | 0 | 0 | 2 | 0 | 23 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 6 | 1238 | 283 | 298 | | 0 |
| PC90000422 | 11 Sep 2023 | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 21 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 7 | 1252 | 267 | 303 | | 0 |
| PC90000430 | 18 Aug 2023 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 21 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 7 | 1265 | 291 | 311 | | 0 |
| PC90000437 | 11 Jul 2023 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 21 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 7 | 1284 | 281 | 309 | | 0 |
| PC90000440 | 16 Jun 2023 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 6 | 1197 | 278 | 320 | | 0 |

| Sample | | | | | Physical Tests | | | | | | Other Tests | | | | | | | | | | |
|---------------|-------------|---------|-------------|----------------|----------------|--------------|----------------------|-------|--------|------|------------------|------------------|------------------|------------------|------------------|----------------|----------------|-----------------|-----------------|-----|-----|
| Sample Number | Machine Age | Oil Age | Oil Changed | Filter Changed | Visc @ 40°C | Visc @ 100°C | Viscosity Index (VI) | Water | Glycol | Fuel | Oxidation (Diff) | Nitration (Diff) | Sulfation (Diff) | Acid Number (AN) | Base Number (BN) | Particles >4µm | Particles >6µm | Particles >14µm | Oil Cleanliness | | |
| | hrs | hrs | | --- | 124.3 | 13.7 | 106 | >0.1 | --- | --- | < 25 | < 25 | | 0.86 | --- | >1300 | >640 | >160 | >17/16/14 | --- | --- |
| PC0085485 | 19000 | 0 | Not Changd | --- | 128 | 13.8 | 104 | 0.001 | --- | --- | 1 | 0.8 | 0.2 | 0.20 | --- | 4837 | 267 | 10 | 19/15/10 | --- | --- |
| PC90000452 | 18685 | 2084 | Changed | --- | 122 | 13.14 | 101 | | --- | --- | | | | | --- | | | | | --- | --- |
| PC90000422 | 18055 | 1454 | Not Changed | --- | 119 | 13.23 | 105 | | --- | --- | | | | | --- | | | | | --- | --- |
| PC90000430 | 17864 | 1263 | Not Changed | --- | 119 | 12.95 | 101 | | --- | --- | | | | | --- | | | | | --- | --- |
| PC90000437 | 17710 | 1109 | Not Changed | --- | 119 | 12.97 | 102 | | --- | --- | | | | | --- | | | | | --- | --- |
| PC90000440 | 17373 | 772 | Not Changed | --- | 119 | 12.98 | 102 | | --- | --- | | | | | --- | | | | | --- | --- |

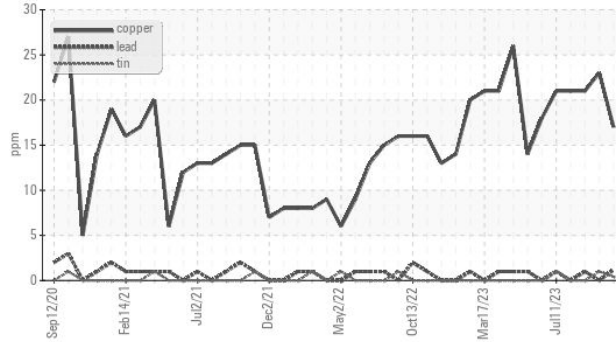
| Recommendations | | Interpretation | |
|-----------------|---|----------------|--|
| 17 Jan 2024 | We recommend you service the filters on this component. We recommend an early resample to monitor this condition. | 17 Jan 2024 | All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels. |
| 30 Oct 2023 | Resample at the next service interval to monitor. | 30 Oct 2023 | All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service. |

| Sample Date | Color | Bottom |
|-------------|---|---|
| 17 Jan 2024 |  |  |
| 30 Oct 2023 | no image | no image |
| 11 Sep 2023 | no image | no image |
| 18 Aug 2023 | no image | no image |
| 11 Jul 2023 | no image | no image |
| 16 Jun 2023 | no image | no image |

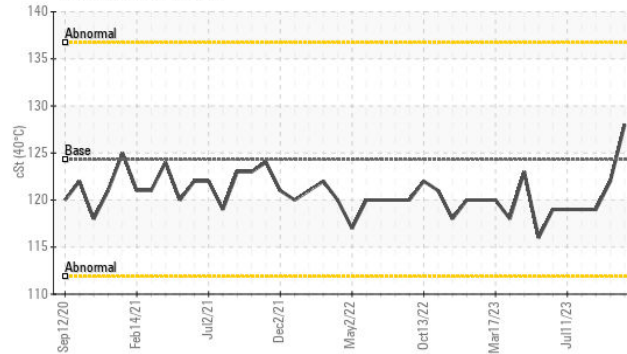
Ferrous Alloys



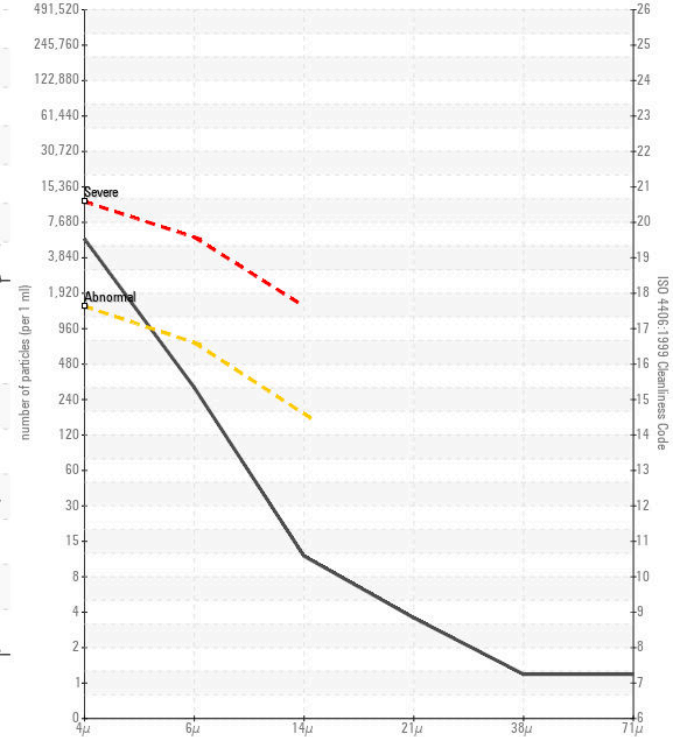
Non-ferrous Metals



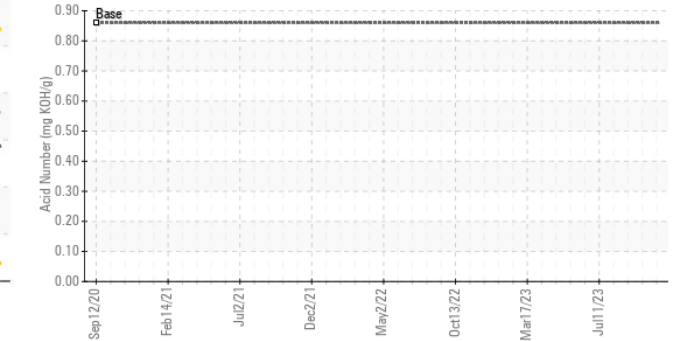
Viscosity @ 40°C



Particle Count



Acid Number



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0085485 **Received** : 02 Feb 2024
Lab Number : 02613134 **Tested** : 05 Feb 2024
Unique Number : 5722229 **Diagnosed** : 05 Feb 2024 - Bill Quesnel
Test Package : PLANT (Additional Tests: FT-IR, FT-IR(Diff), KF, 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.

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T:
F: