



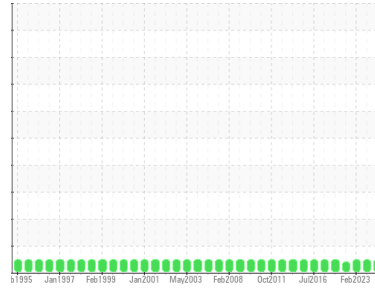
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
53 RECAUSTICIZING
 Machine Id
#5 Causticizer Agitator (Drive) (S/N 532851)
 Component
Gearbox
 Fluid
MOBIL SHC 629 (5 GAL)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION

| method | limit/base | current | history1 | history2 |
|---------------|-----------------|--------------------|-------------|-------------|
| Sample Number | Client Info | WC | WC | WC |
| Sample Date | Client Info | 18 Mar 2024 | 14 Sep 2023 | 27 Feb 2023 |
| Machine Age | hrs Client Info | 0 | 0 | 0 |
| Oil Age | hrs Client Info | 0 | 0 | 0 |
| Oil Changed | Client Info | N/A | N/A | N/A |
| Sample Status | | NORMAL | NORMAL | NORMAL |

CONTAMINATION

| method | limit/base | current | history1 | history2 |
|--------|----------------|------------|----------|----------|
| Water | WC Method >0.2 | NEG | NEG | NEG |

WEAR METALS

| method | limit/base | current | history1 | history2 |
|-----------|------------------------|--------------|----------|----------|
| PQ | ASTM D8184* | 0 | 0 | 0 |
| Iron | ppm ASTM D5185(m) >200 | 8 | 9 | 16 |
| Chromium | ppm ASTM D5185(m) >10 | 0 | 0 | 0 |
| Nickel | ppm ASTM D5185(m) >10 | 0 | <1 | 0 |
| Titanium | ppm ASTM D5185(m) | 0 | 0 | 0 |
| Silver | ppm ASTM D5185(m) | 0 | 0 | 0 |
| Aluminum | ppm ASTM D5185(m) >25 | <1 | 0 | 0 |
| Lead | ppm ASTM D5185(m) >50 | 0 | 0 | 0 |
| Copper | ppm ASTM D5185(m) >200 | 0 | <1 | 0 |
| Tin | ppm ASTM D5185(m) >10 | 0 | 0 | 0 |
| Antimony | ppm ASTM D5185(m) >5 | 0 | 0 | 0 |
| Vanadium | ppm ASTM D5185(m) | 0 | 0 | 0 |
| Beryllium | ppm ASTM D5185(m) | 0 | 0 | 0 |
| Cadmium | ppm ASTM D5185(m) | 0 | 0 | 0 |

ADDITIVES

| method | limit/base | current | history1 | history2 |
|------------|-------------------|--------------|----------|----------|
| Boron | ppm ASTM D5185(m) | <1 | <1 | <1 |
| Barium | ppm ASTM D5185(m) | 0 | 0 | 0 |
| Molybdenum | ppm ASTM D5185(m) | 0 | 0 | 0 |
| Manganese | ppm ASTM D5185(m) | 0 | 0 | <1 |
| Magnesium | ppm ASTM D5185(m) | <1 | <1 | 0 |
| Calcium | ppm ASTM D5185(m) | <1 | 2 | <1 |
| Phosphorus | ppm ASTM D5185(m) | 450 | 474 | 502 |
| Zinc | ppm ASTM D5185(m) | 5 | 7 | 3 |
| Sulfur | ppm ASTM D5185(m) | 100 | 199 | 70 |
| Lithium | ppm ASTM D5185(m) | <1 | 1 | <1 |

CONTAMINANTS

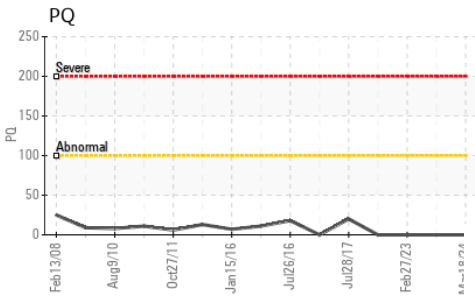
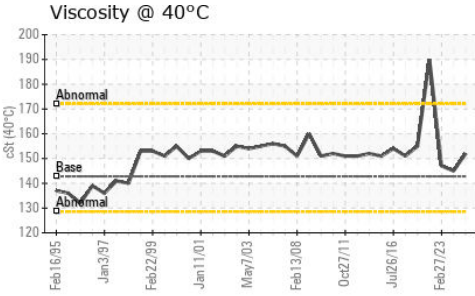
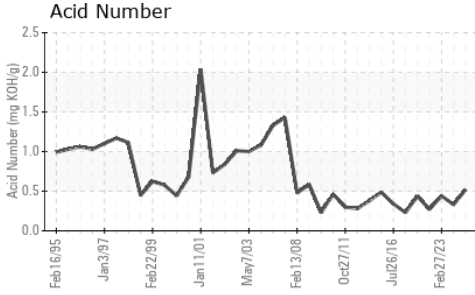
| method | limit/base | current | history1 | history2 |
|-----------|-----------------------|-----------|----------|----------|
| Silicon | ppm ASTM D5185(m) >50 | 27 | 38 | 36 |
| Sodium | ppm ASTM D5185(m) | 0 | <1 | <1 |
| Potassium | ppm ASTM D5185(m) >20 | 0 | <1 | <1 |

FLUID DEGRADATION

| method | limit/base | current | history1 | history2 |
|------------------|---------------------|-------------|----------|----------|
| Acid Number (AN) | mg KOH/g ASTM D974* | 0.52 | 0.33 | 0.44 |



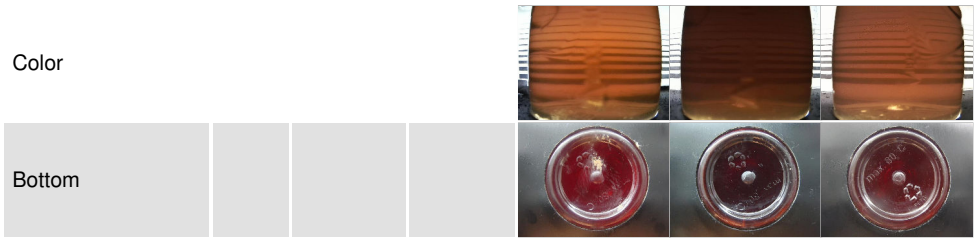
OIL ANALYSIS REPORT



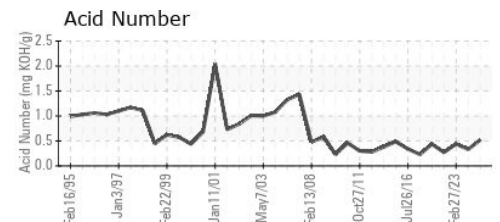
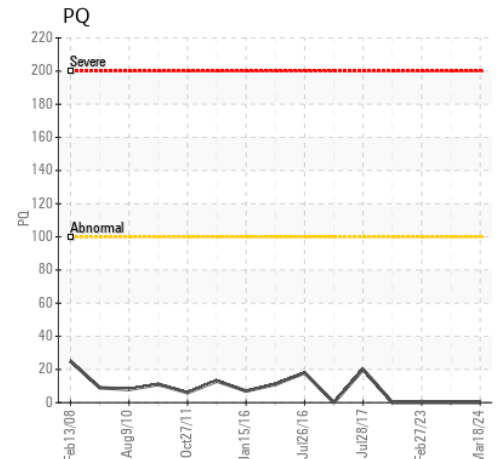
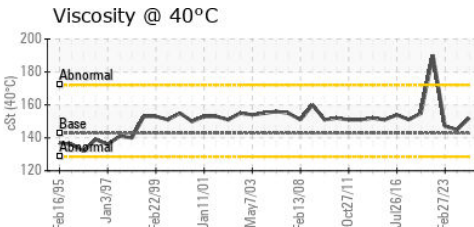
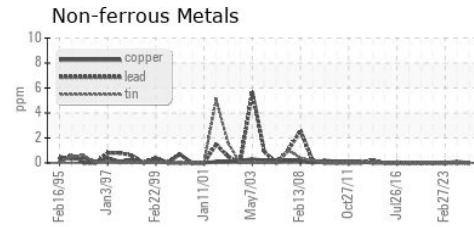
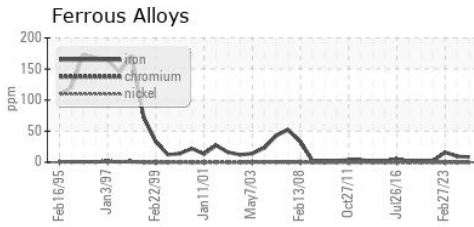
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | Visual* | NONE | NONE | VLITE |
| Yellow Metal | scalar | Visual* | NONE | NONE | NONE |
| Precipitate | scalar | Visual* | NONE | NONE | NONE |
| Silt | scalar | Visual* | NONE | NONE | NONE |
| Debris | scalar | Visual* | NONE | NONE | VLITE |
| Sand/Dirt | scalar | Visual* | NONE | NONE | NONE |
| Appearance | scalar | Visual* | NORML | NORML | NORML |
| Odor | scalar | Visual* | NORML | NORML | NORML |
| Emulsified Water | scalar | Visual* | >0.2 | NEG | NEG |
| Free Water | scalar | Visual* | | NEG | NEG |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|---------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D7279(m) | 142.8 | 152 | 145 |

| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---------|----------|----------|
|---------------|--------|------------|---------|----------|----------|



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC
Lab Number : 02624470
Unique Number : 5749589
Test Package : IND 2 (Additional Tests: TAN Man)
Received : 25 Mar 2024
Tested : 26 Mar 2024
Diagnosed : 26 Mar 2024 - Wes Davis

AV GROUP NB INC.
 103 PINDER ROAD., NACKAWIC MILL
 NACKAWIC, NB
 CA E6G 1W4
 Contact: Basil Fadulalla
 basil.fadulalla@adityabirla.com

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.