

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

IAD3-A-GEN-02 IAD3-A-GEN-02

Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (--- GAL)

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the

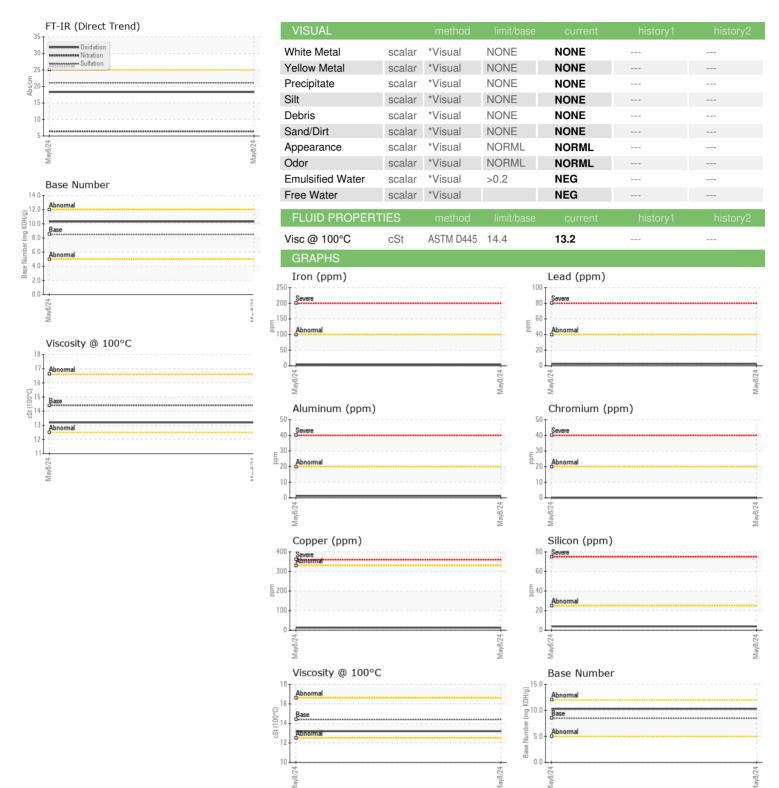
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

| | | | | May2024 | | |
|------------------------|----------|---------------|-----------------|--------------------|----------|----------|
| SAMPLE INFORM | MATION | method | limit/base | current | history1 | history2 |
| | VIZTION | | IIIIIIIIIII | | | Thistory |
| Sample Number | | Client Info | | WC0931665 | | |
| Sample Date | hvo | Client Info | | 08 May 2024 538 | | |
| Machine Age Oil Age | hrs | Client Info | | 0 | | |
| Oil Changed | 1115 | Client Info | | Not Changd | | |
| Sample Status | | Ciletit iiilo | | NORMAL | | |
| CONTAMINATIO | N | method | limit/base | current | history1 | history2 |
| Fuel | | WC Method | >5 | <1.0 | | |
| Water | | WC Method | >0.2 | NEG | | |
| Glycol | | WC Method | <i>></i> 0.2 | NEG | | |
| | | | | | | |
| WEAR METALS | | method | limit/base | current | history1 | history2 |
| ron | ppm | ASTM D5185m | >100 | 3 | | |
| Chromium | ppm | ASTM D5185m | >20 | 0 | | |
| Nickel | ppm | ASTM D5185m | >4 | 0 | | |
| Fitanium | ppm | ASTM D5185m | | 0 | | |
| Silver | ppm | ASTM D5185m | >3 | 0 | | |
| Aluminum | ppm | ASTM D5185m | >20 | 1 | | |
| _ead | ppm | ASTM D5185m | >40 | 2 | | |
| Copper | ppm | ASTM D5185m | >330 | 13 | | |
| Гin | ppm | ASTM D5185m | >15 | 2 | | |
| /anadium | ppm | ASTM D5185m | | 0 | | |
| Cadmium | ppm | ASTM D5185m | | 0 | | |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | 250 | 52 | | |
| Barium | ppm | ASTM D5185m | 10 | 0 | | |
| Molybdenum | ppm | ASTM D5185m | 100 | 32 | | |
| Manganese | ppm | ASTM D5185m | | <1 | | |
| Magnesium | ppm | ASTM D5185m | 450 | 514 | | |
| Calcium | ppm | ASTM D5185m | 3000 | 1736 | | |
| Phosphorus | ppm | ASTM D5185m | 1150 | 957 | | |
| Zinc | ppm | ASTM D5185m | | 1126 | | |
| Sulfur | ppm | ASTM D5185m | 4250 | 3594 | | |
| CONTAMINANTS | 5 | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >25 | 4 | | |
| Sodium | ppm | ASTM D5185m | >158 | 3 | | |
| Potassium | ppm | ASTM D5185m | >20 | <1 | | |
| INFRA-RED | | method | limit/base | current | history1 | history2 |
| Soot % | % | *ASTM D7844 | >3 | 0.2 | | |
| Vitration | Abs/cm | *ASTM D7624 | >20 | 6.4 | | |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 21.1 | | |
| FLUID DEGRADA | NOITA | method | limit/base | current | history1 | history2 |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 18.3 | | |
| Base Number (BN) | mg KOH/g | ASTM D2896 | 8.5 | 10.3 | | |



OIL ANALYSIS REPORT







Certificate 12367

Sample No.

: WC0931665 Lab Number : 06193825

Unique Number : 11055948

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

Diagnosed : 30 May 2024 - Wes Davis Test Package : MOB 1 (Additional Tests: TBN)

: 29 May 2024

: 30 May 2024

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. **NATIONAL POWER CORP**

4541 PRESLYN DR RALEIGH, NC US 27616

Contact: Brandon Daniels Brandon.Daniels@natpow.com

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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Contact/Location: Brandon Daniels - NATRAL