## **OIL ANALYSIS REPORT**

### EVENSTAR 10072 1786362 - PORT DIESEL ENGINE

Sample No: VPA052363

Oil Type: SHELL ROTELLA T 15W40

#### SAMPLE INFORMATION VPA052363 Sample Number Sample Date 17 Jan 2024 Machine Hours 113 **Oil Hours** 0 N/A Oil Changed ATTENTION Sample Status **OIL CONDITION** Visc @ 100°C cSt 13.8 Base Number (BN) mg KOH/g 6.9 Oxidation (PA) % 48 CONTAMINATION Water % NEG % Soot % 0.3 Nitration (PA) % 50 Sulfation (PA) % 46 Glycol % NEG Fuel % <1.0 Silicon **4**6 ppm Sodium 3 ppm Potassium 2 ppm WEAR METALS Iron 39 ppm 44 Copper ppm Lead ppm 6 Tin ppm 1 Aluminum 17 ppm Chromium 1 ppm Molybdenum ppm 63 Nickel **4** ppm Titanium ppm **||** <1 Silver 0 ppm Manganese 2 ppm Vanadium ppm 0 **ADDITIVES** Calcium 2377 ppm 28 Magnesium ppm Zinc ppm 1223 Phosphorus ppm 1019 Barium 1 ppm Boron ppm 73



The Talaria Company

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#### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. Elemental level of silicon (Si) above normal indicating ingress of seal material. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

 Depot:
 VP592286

 Unique No:
 10884407

 Signed:
 Don Baldridge

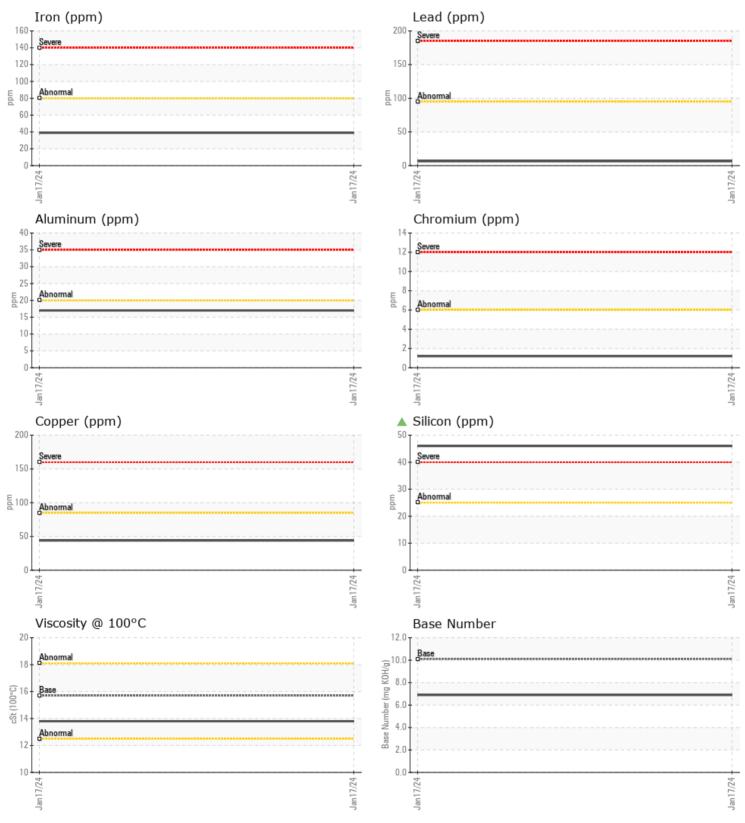
 Report Date:
 19 Feb 2024

Contact/Location: TRACY PELLERIN - VP592286

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#### GRAPHS



Report Id: VP592286 [WUSCAR] 06091554 (Generated: 02/19/2024 13:10:56) Rev: 1

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