OIL ANALYSIS REPORT

BELLA BELLA - DIESEL ENGINE

Sample No:	VPA047728
Oil Type:	SHELL 15W40

SAMPLE INFORMATION VPA047728 VPA025354 Sample Number Sample Date 12 Dec 2023 30 Dec 2021 Machine Hours 48 350 0 **Oil Hours** 0 Oil Changed Changed Changed NORMAL Sample Status ABNORMAL **OIL CONDITION** Visc @ 100°C cSt 13.9 15.5 Base Number (BN) mg KOH/g 8.9 10.2 Oxidation (PA) % 62 74 CONTAMINATION Water % NEG NEG % Soot % 0.1 0.7 Nitration (PA) % 47 74 Sulfation (PA) % 55 62 Glycol % NEG NEG Fuel % <1.0 <1.0 Silicon 14 70 ppm Sodium 20 **1**88 ppm Potassium 14 **A** 87 ppm WEAR METALS 45 Iron 1 ppm 90 233 Copper ppm Lead 10 ppm 1 🗌 Tin $\square 7$ ppm ■ <1 Aluminum 3 ppm 1 Chromium <1 4 ppm Molybdenum 15 ppm <1 Nickel ■ <1</p> 1 ppm Titanium ppm 0 <1 0 Silver ppm Manganese **||** <1 ppm 1 Vanadium ppm <1 0 **ADDITIVES** 2253 Calcium 1939 ppm Magnesium 144 21 ppm Zinc ppm 1190 1113 Phosphorus ppm 985 981 Barium 0 0 ppm 163 Boron ppm 105



The Talaria Company

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Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. 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:
 10830431

 Signed:
 Don Baldridge

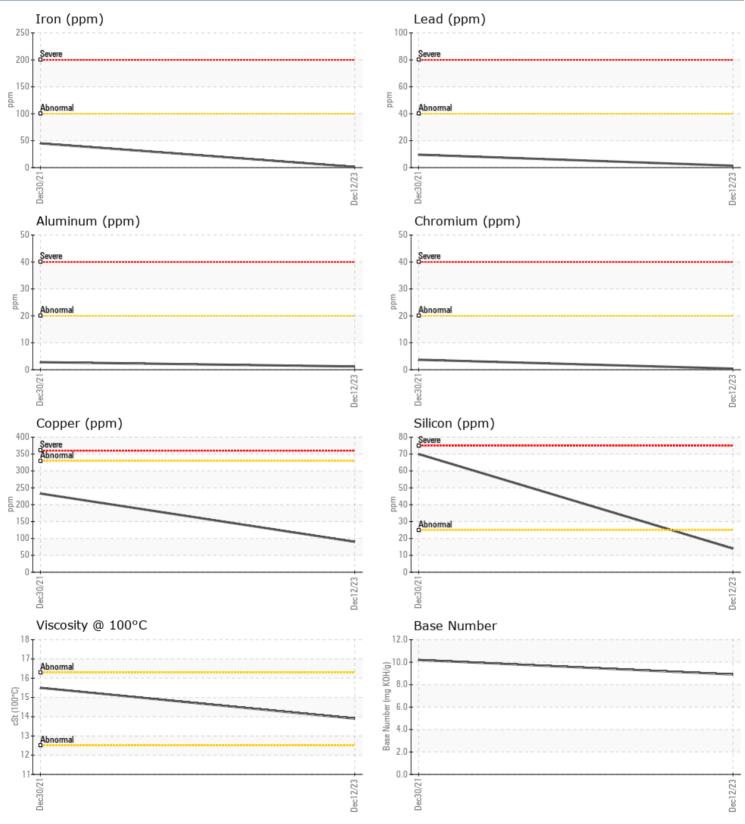
 Report Date:
 15 Jan 2024

Contact/Location: TRACY PELLERIN - VP592286

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GRAPHS



Report Id: VP592286 [WUSCAR] 06059049 (Generated: 01/15/2024 19:02:45) Rev: 1

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