



# CONSTRUCTION EQUIPMENT

G08759 SHUTTLEWAGON NVX8040 8040Z1041 - DIESEL ENGINE



Sample No: VCP451132

Oil Type: {unknown}

Job No: G08759



## SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP451132   | --- | --- | --- |
| Sample Date   | 14 May 2024 | --- | --- | --- |
| Machine Hours | 4585        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | N/A         | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |

### HOFFMAN EQUIPMENT - DEPTFORD

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## OIL CONDITION

|                  |          |        |     |     |     |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 100°C     | cSt      | █ 11.6 | --- | --- | --- |
| Base Number (BN) | mg KOH/g | █ 7.1  | --- | --- | --- |
| Oxidation (PA)   | %        | 57     | --- | --- | --- |

### Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Fuel content negligible. 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.



## CONTAMINATION

|                |     |       |     |     |     |
|----------------|-----|-------|-----|-----|-----|
| Water          | %   | NEG   | --- | --- | --- |
| Soot %         | %   | █ 0.2 | --- | --- | --- |
| Nitration (PA) | %   | 66    | --- | --- | --- |
| Sulfation (PA) | %   | 54    | --- | --- | --- |
| Glycol         | %   | NEG   | --- | --- | --- |
| Fuel           | %   | █ 1.9 | --- | --- | --- |
| Silicon        | ppm | █ 5   | --- | --- | --- |
| Sodium         | ppm | █ 0   | --- | --- | --- |
| Potassium      | ppm | █ 3   | --- | --- | --- |



## WEAR METALS

|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| Iron       | ppm | █ 11 | --- | --- | --- |
| Copper     | ppm | █ 4  | --- | --- | --- |
| Lead       | ppm | █ <1 | --- | --- | --- |
| Tin        | ppm | █ 1  | --- | --- | --- |
| Aluminum   | ppm | █ 11 | --- | --- | --- |
| Chromium   | ppm | █ <1 | --- | --- | --- |
| Molybdenum | ppm | █ 13 | --- | --- | --- |
| Nickel     | ppm | █ <1 | --- | --- | --- |
| Titanium   | ppm | █ 12 | --- | --- | --- |
| Silver     | ppm | █ 1  | --- | --- | --- |
| Manganese  | ppm | <1   | --- | --- | --- |
| Vanadium   | ppm | <1   | --- | --- | --- |



## ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | █ 2094 | --- | --- | --- |
| Magnesium  | ppm | █ 230  | --- | --- | --- |
| Zinc       | ppm | █ 1085 | --- | --- | --- |
| Phosphorus | ppm | █ 925  | --- | --- | --- |
| Barium     | ppm | █ 0    | --- | --- | --- |
| Boron      | ppm | █ 17   | --- | --- | --- |

Depot: VOLVO8880

Unique No: 11035276

Signed: Don Baldrige

Report Date: 24 May 2024



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## GRAPHS

