CONSTRUCTION EQUIPMENT SPM622031 GENIE Z45/25 Z452515A-53624 - DIESEL ENGINE

| Sample No: | VCP432943       |
|------------|-----------------|
| Oil Type:  | VALVOLINE 10W30 |
| Job No:    | SPM622031       |

VOLVO

#### SAMPLE INFORMATION Sample Number VCP432943 Sample Date 01 Nov 2023 Machine Hours 2477 Oil Hours 500 Oil Changed Changed ABNORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt **A** 8.7 Base Number (BN) mg KOH/g 4.0 Oxidation (PA) 70 % CONTAMINATION % NEG Water Soot % % 0

| Nitration (PA) | %   | 94         | <br> |  |
|----------------|-----|------------|------|--|
| Sulfation (PA) | %   | 65         | <br> |  |
| Glycol         | %   | NEG        | <br> |  |
| Fuel           | %   | <u> </u>   | <br> |  |
| Silicon        | ppm | <b>1</b> 3 | <br> |  |
| Sodium         | ppm | 2          | <br> |  |
| Potassium      | ppm | 3          | <br> |  |

## WFAR METALS

| WLAK I     | METALS |          |      |  |
|------------|--------|----------|------|--|
| Iron       | ppm    | 8        | <br> |  |
| Copper     | ppm    | 2        | <br> |  |
| Lead       | ppm    | <b>1</b> | <br> |  |
| Tin        | ppm    | 0        | <br> |  |
| Aluminum   | ppm    | 3        | <br> |  |
| Chromium   | ppm    | 0        | <br> |  |
| Molybdenum | ppm    | 133      | <br> |  |
| Nickel     | ppm    | 0        | <br> |  |
| Titanium   | ppm    | 7        | <br> |  |
| Silver     | ppm    | 0        | <br> |  |
| Manganese  | ppm    | <1       | <br> |  |
| Vanadium   | ppm    | 0        | <br> |  |

#### **ADDITIVES** 1255 Calcium ppm 447 Magnesium ppm ppm Zinc 🔺 777 592 Phosphorus ppm Barium 0 🔲 ppm 39 Boron ppm



### ALTA EQUIPMENT COMPANY

1061 STEPKE COURT TRAVERSE CITY, MI US 49685 Contact: KEVIN DOHM kevin.dohm@altaequipment.com T: (231)943-3700 F: (231)943-8110

## Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. Light fuel dilution occurring. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The condition of the oil is suitable for further service.

Report Id: VOLVO8501 [WUSCAR] 06012126 (Generated: 11/22/2023 12:59:11) Rev: 1

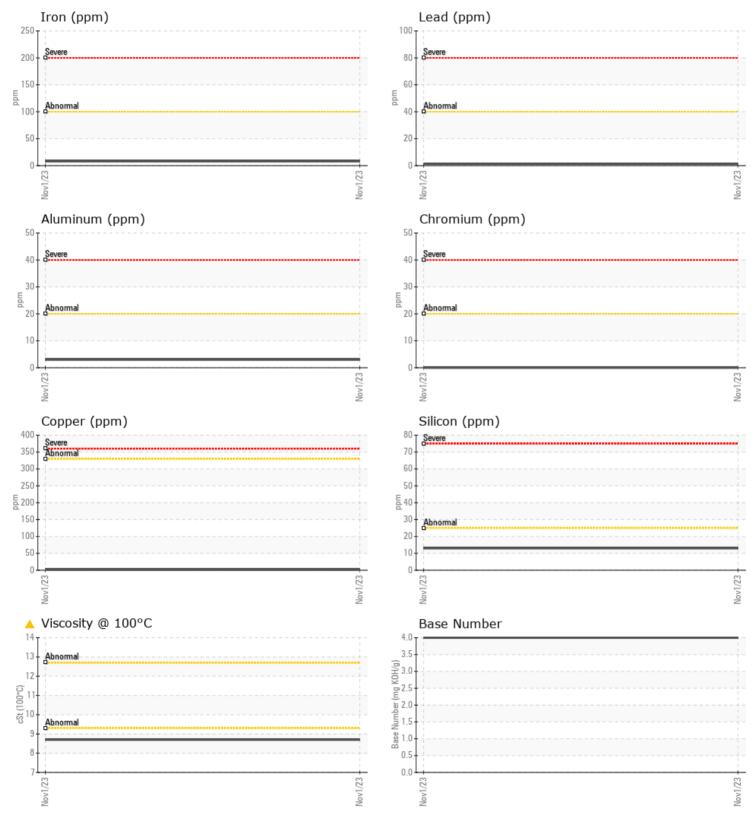
Contact/Location: KEVIN DOHM - VOLVO8501

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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