# **CONSTRUCTION EQUIPMENT** SW0-063199 KENWORTH 448049 - DIESEL ENGINE

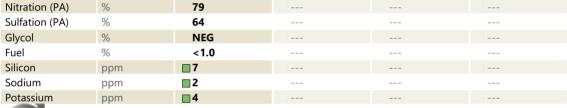


### Sample No: VCP408941 **Oil Type: DIESEL ENGINE OIL SAE 40** Job No: SWO-063199

## SAMPLE INFORMATION

VOLVO

| Sample Number    |          | VCP408941   | <br> |  |
|------------------|----------|-------------|------|--|
| Sample Date      |          | 14 Jun 2023 | <br> |  |
| Machine Hours    |          | 2220        | <br> |  |
| Oil Hours        |          | 0           | <br> |  |
| Oil Changed      |          | Changed     | <br> |  |
| Sample Status    |          | NORMAL      | <br> |  |
|                  |          |             |      |  |
| OIL CONDI        | TION     |             |      |  |
| Visc @ 100°C     | cSt      | 12.7        | <br> |  |
| Base Number (BN) | mg KOH/g | 9.6         | <br> |  |
| Oxidation (PA)   | %        | 94          | <br> |  |
|                  |          |             |      |  |
| CONTAMIN         | IATION   |             |      |  |
| Soot %           | %        | 0.4         | <br> |  |
| Nitration (PA)   | %        | 79          | <br> |  |
| Sulfation (PA)   | %        | 64          | <br> |  |



| WLAK N     | METALS |             |      |  |
|------------|--------|-------------|------|--|
| Iron       | ppm    | 18          | <br> |  |
| Copper     | ppm    | <b>4</b>    | <br> |  |
| Lead       | ppm    | □<1         | <br> |  |
| Tin        | ppm    |             | <br> |  |
| Aluminum   | ppm    | 5           | <br> |  |
| Chromium   | ppm    | ■ <1        | <br> |  |
| Molybdenum | ppm    | <b>41</b>   | <br> |  |
| Nickel     | ppm    | 0           | <br> |  |
| Titanium   | ppm    | 0           | <br> |  |
| Silver     | ppm    | <b>■</b> <1 | <br> |  |
| Manganese  | ppm    | □<1         | <br> |  |
| Vanadium   | ppm    | 0           | <br> |  |

| ADDITIVES  |     |             |  |  |  |  |
|------------|-----|-------------|--|--|--|--|
| Calcium    | ppm | 1564        |  |  |  |  |
| Magnesium  | ppm | <b>478</b>  |  |  |  |  |
| Zinc       | ppm | <b>1040</b> |  |  |  |  |
| Phosphorus | ppm | 868         |  |  |  |  |
| Barium     | ppm | 0           |  |  |  |  |
| Boron      | ppm | <b>44</b>   |  |  |  |  |
|            |     |             |  |  |  |  |



### SAIIA CONSTRUCTION LLC

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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 suitable for further service.

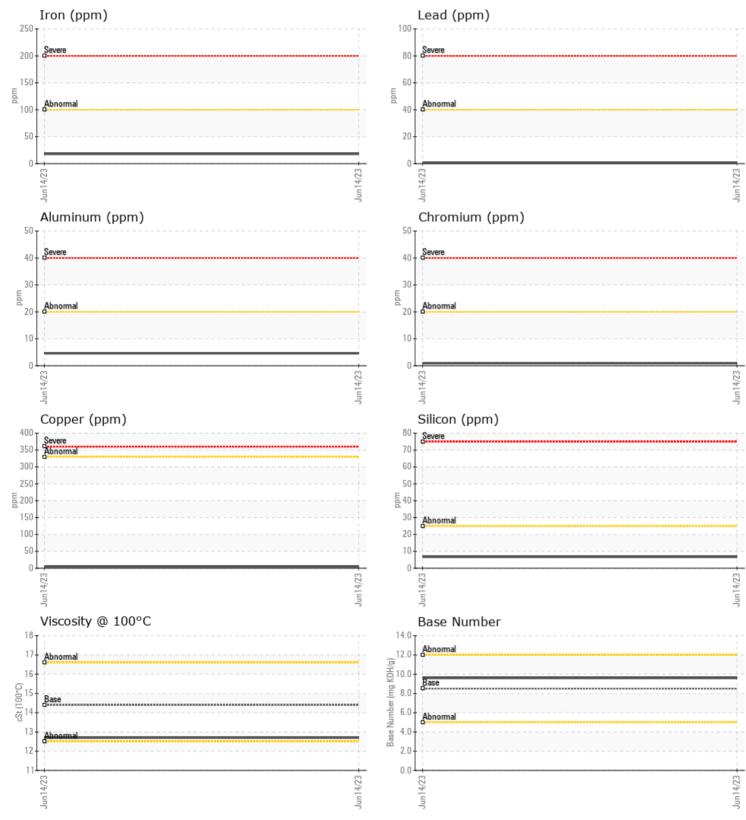
Depot: SAIBIR Unique No: 10522897 Signed: Sean Felton Report Date: 21 Jun 2023

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: SAIBIR [WUSCAR] 05877794 (Generated: 10/16/2023 16:17:03) Rev: 1

Contact/Location: STEPHANI BRITTON - SAIBIR