



CONSTRUCTION EQUIPMENT

5573 VOLVO 315546 - DIESEL ENGINE



Sample No: VCP392991
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 5573



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | VCP392991 | VCP394790 | --- | --- |
| Sample Date | 24 May 2024 | 14 Aug 2023 | --- | --- |
| Machine Hours | 1000 | 491 | --- | --- |
| Oil Hours | 1000 | 0 | --- | --- |
| Oil Changed | Changed | Changed | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

GREAT WEST EQUIPMENT
 1600 KOSMINA ROAD, 123 L&A CROSS RD
 VERNON, BC
 CA V1T 8T2
 Contact: Garry Beach
 gbeach@gwequipment.com
 T: (250)549-4232
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OIL CONDITION

| | | | | | |
|----------------|-----|-------------|------|-----|-----|
| Visc @ 100°C | cSt | 13.0 | 13.5 | --- | --- |
| Oxidation (PA) | % | 80 | 46 | --- | --- |



CONTAMINATION

| | | | | | |
|----------------|-----|----------------|------|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Soot % | % | 0 | 0 | --- | --- |
| Nitration (PA) | % | 62 | 56 | --- | --- |
| Sulfation (PA) | % | 62 | 55 | --- | --- |
| Glycol | % | NEG | NEG | --- | --- |
| Fuel | % | <1.0 | <1.0 | --- | --- |
| Silicon | ppm | 5 | 13 | --- | --- |
| Sodium | ppm | 3 | 3 | --- | --- |
| Potassium | ppm | <1 | 3 | --- | --- |

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 condition of the oil is acceptable for the time in service.



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|-----|-----|
| Iron | ppm | 15 | 24 | --- | --- |
| Copper | ppm | 2 | 12 | --- | --- |
| Lead | ppm | 0 | 1 | --- | --- |
| Tin | ppm | <1 | 2 | --- | --- |
| Aluminum | ppm | 4 | 5 | --- | --- |
| Chromium | ppm | 1 | 3 | --- | --- |
| Molybdenum | ppm | 38 | 15 | --- | --- |
| Nickel | ppm | 2 | 9 | --- | --- |
| Titanium | ppm | 0 | 0 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | <1 | 4 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------------|------|-----|-----|
| Calcium | ppm | 1802 | 2414 | --- | --- |
| Magnesium | ppm | 461 | 84 | --- | --- |
| Zinc | ppm | 1081 | 1061 | --- | --- |
| Phosphorus | ppm | 900 | 980 | --- | --- |
| Barium | ppm | <1 | 2 | --- | --- |
| Boron | ppm | 30 | 4 | --- | --- |

Depot: MARVER
Unique No: 5788225
Signed: Wes Davis
Report Date: 31 May 2024



CONSTRUCTION EQUIPMENT



GRAPHS

