



CONSTRUCTION EQUIPMENT

31694 - DIESEL ENGINE



Sample No: VCP428276
Oil Type: DIESEL ENGINE OIL SAE 40
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP428276 | --- | --- | --- |
| Sample Date | 16 Jul 2023 | --- | --- | --- |
| Machine Hours | 9524 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

GREAT WEST EQUIPMENT
 1600 KOSMINA ROAD, 123 L&A CROSS RD
 VERNON, BC
 CA V1T 8T2
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OIL CONDITION

| | | | | | |
|----------------|-----|--------|-----|-----|-----|
| Visc @ 100°C | cSt | █ 14.2 | --- | --- | --- |
| Oxidation (PA) | % | █ 55 | --- | --- | --- |



CONTAMINATION

| | | | | | |
|----------------|-----|--------|-----|-----|-----|
| Soot % | % | █ 0.4 | --- | --- | --- |
| Nitration (PA) | % | █ 48 | --- | --- | --- |
| Sulfation (PA) | % | █ 53 | --- | --- | --- |
| Glycol | % | █ NEG | --- | --- | --- |
| Fuel | % | █ <1.0 | --- | --- | --- |
| Silicon | ppm | █ 2 | --- | --- | --- |
| Sodium | ppm | █ 1 | --- | --- | --- |
| Potassium | ppm | █ <1 | --- | --- | --- |

Diagnosis
 Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.
 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 | █ 4 | --- | --- | --- |
| Copper | ppm | █ <1 | --- | --- | --- |
| Lead | ppm | █ 0 | --- | --- | --- |
| Tin | ppm | █ 0 | --- | --- | --- |
| Aluminum | ppm | █ 3 | --- | --- | --- |
| Chromium | ppm | █ <1 | --- | --- | --- |
| Molybdenum | ppm | █ 60 | --- | --- | --- |
| Nickel | ppm | █ 0 | --- | --- | --- |
| Titanium | ppm | █ 0 | --- | --- | --- |
| Silver | ppm | █ 0 | --- | --- | --- |
| Manganese | ppm | █ <1 | --- | --- | --- |
| Vanadium | ppm | █ 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | █ 1078 | --- | --- | --- |
| Magnesium | ppm | █ 984 | --- | --- | --- |
| Zinc | ppm | █ 1198 | --- | --- | --- |
| Phosphorus | ppm | █ 1083 | --- | --- | --- |
| Barium | ppm | █ 0 | --- | --- | --- |
| Boron | ppm | █ 2 | --- | --- | --- |

Depot: MARVER
Unique No: 5607364
Signed: Wes Davis
Report Date: 17 Jul 2023



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GRAPHS

