



CONSTRUCTION EQUIPMENT

SPM567736 KOMATSU D61PXI 30567 - DIESEL ENGINE



Sample No: VCP421909
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM567736



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | VCP421909 | VCP317804 | --- | --- |
| Sample Date | 10 Jul 2023 | 30 Jun 2021 | --- | --- |
| Machine Hours | 4457 | 3927 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | Changed | Changed | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

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OIL CONDITION

| | | | | | |
|------------------|----------|-------------|------|-----|-----|
| Visc @ 100°C | cSt | 12.7 | 13.2 | --- | --- |
| Base Number (BN) | mg KOH/g | 8.0 | --- | --- | --- |
| Oxidation (PA) | % | 89 | 76 | --- | --- |

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.



CONTAMINATION

| | | | | | |
|----------------|-----|----------------|------|-----|-----|
| Soot % | % | 0.7 | 0.6 | --- | --- |
| Nitration (PA) | % | 92 | 88 | --- | --- |
| Sulfation (PA) | % | 66 | 64 | --- | --- |
| Glycol | % | NEG | NEG | --- | --- |
| Fuel | % | <1.0 | <1.0 | --- | --- |
| Silicon | ppm | 6 | 4 | --- | --- |
| Sodium | ppm | 3 | 2 | --- | --- |
| Potassium | ppm | 0 | <1 | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|-----|-----|
| Iron | ppm | 64 | 25 | --- | --- |
| Copper | ppm | 6 | 1 | --- | --- |
| Lead | ppm | 0 | <1 | --- | --- |
| Tin | ppm | 0 | <1 | --- | --- |
| Aluminum | ppm | 6 | 2 | --- | --- |
| Chromium | ppm | 2 | 1 | --- | --- |
| Molybdenum | ppm | 66 | 54 | --- | --- |
| Nickel | ppm | 0 | <1 | --- | --- |
| Titanium | ppm | <1 | <1 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | <1 | <1 | --- | --- |
| Vanadium | ppm | <1 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|-----|-----|
| Calcium | ppm | 1321 | 1191 | --- | --- |
| Magnesium | ppm | 1100 | 837 | --- | --- |
| Zinc | ppm | 1423 | 1172 | --- | --- |
| Phosphorus | ppm | 1157 | 952 | --- | --- |
| Barium | ppm | 0 | 0 | --- | --- |
| Boron | ppm | 3 | 18 | --- | --- |

Depot: JOHELK
Unique No: 10573972
Signed: Wes Davis
Report Date: 27 Jul 2023



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GRAPHS

