



CONSTRUCTION EQUIPMENT

X58457 KOBELCO CD1600-GII 5104252 - DIESEL ENGINE



Sample No: VCP405807
Oil Type: DIESEL ENGINE OIL SAE 30
Job No: X58457



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-----|
| Sample Number | VCP405807 | VCP360069 | VCP311708 | --- |
| Sample Date | 25 Aug 2023 | 28 Mar 2022 | 16 Aug 2021 | --- |
| Machine Hours | 3995 | 2156 | 1753 | --- |
| Oil Hours | 0 | 0 | 0 | --- |
| Oil Changed | Changed | N/A | N/A | --- |
| Sample Status | NORMAL | NORMAL | NORMAL | --- |

SCOTT EQUIPMENT COMPANY LLC - Saint Rose
 PO BOX 997
 SAINT ROSE, LA
 US 70087
 Contact: DENISE CORVERS
 dcorvers@scottcompanies.com
 T: (504)461-0961
 F: (504)461-0970



OIL CONDITION

| | | | | | |
|------------------|----------|-------------|------|------|-----|
| Visc @ 100°C | cSt | 12.5 | 12.8 | 12.2 | --- |
| Base Number (BN) | mg KOH/g | 5.6 | 8.6 | --- | --- |
| Oxidation (PA) | % | 105 | 63 | 95 | --- |

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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 % | % | 0.3 | 0.1 | 0.2 | --- |
| Nitration (PA) | % | 103 | 82 | 81 | --- |
| Sulfation (PA) | % | 67 | 56 | 66 | --- |
| Glycol | % | NEG | NEG | NEG | --- |
| Fuel | % | <1.0 | <1.0 | 1.9 | --- |
| Silicon | ppm | 10 | 7 | 7 | --- |
| Sodium | ppm | 3 | 2 | <1 | --- |
| Potassium | ppm | 4 | 5 | <1 | --- |



WEAR METALS

| | | | | | |
|------------|-----|--------------|-----|-----|-----|
| Iron | ppm | 17 | 2 | 8 | --- |
| Copper | ppm | 288 | 301 | 196 | --- |
| Lead | ppm | 6 | <1 | 1 | --- |
| Tin | ppm | <1 | <1 | <1 | --- |
| Aluminum | ppm | <1 | 2 | <1 | --- |
| Chromium | ppm | <1 | <1 | <1 | --- |
| Molybdenum | ppm | 30 | 7 | 37 | --- |
| Nickel | ppm | 0 | 0 | 0 | --- |
| Titanium | ppm | <1 | 0 | 0 | --- |
| Silver | ppm | 0 | <1 | 0 | --- |
| Manganese | ppm | 1 | <1 | <1 | --- |
| Vanadium | ppm | <1 | 0 | 0 | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|-----|
| Calcium | ppm | 1839 | 1308 | 1486 | --- |
| Magnesium | ppm | 484 | 622 | 427 | --- |
| Zinc | ppm | 1113 | 824 | 856 | --- |
| Phosphorus | ppm | 876 | 717 | 681 | --- |
| Barium | ppm | 0 | 0 | 0 | --- |
| Boron | ppm | 17 | 58 | 25 | --- |

Depot: SCOSAI
Unique No: 10631066
Signed: Sean Felton
Report Date: 05 Sep 2023



CONSTRUCTION EQUIPMENT



GRAPHS

