



CONSTRUCTION EQUIPMENT

SWA581457 WASTE MGMT VOLVO EC160EL 310359 - LEFT TRACK DRIVE



Sample No: VCP439522
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWA581457 WASTE MGMT



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP439522 | --- | --- | --- |
| Sample Date | 07 Jun 2024 | --- | --- | --- |
| Machine Hours | 5316 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Not Chngd | --- | --- | --- |
| Sample Status | ABNORMAL | --- | --- | --- |

ALTA EQUIPMENT COMPANY
 5210 REESE ROAD
 DAVIE, FL
 US 33314
 Contact: GERMAN BLANDON
 gblandon@flaglerce.com
 T: (954)581-4744
 F: (954)583-0318



OIL CONDITION

| | | | | | |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 165 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|---------|-----|-----|-----|
| Water | % | ▲ 0.224 | --- | --- | --- |
| Silicon | ppm | ▲ 175 | --- | --- | --- |
| Sodium | ppm | █ 0 | --- | --- | --- |
| Potassium | ppm | █ 2 | --- | --- | --- |

Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the oil. Elemental level of silicon (Si) above normal. The condition of the oil is acceptable for the time in service.



WEAR METALS

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Iron | ppm | █ 937 | --- | --- | --- |
| Copper | ppm | █ 1 | --- | --- | --- |
| Lead | ppm | █ <1 | --- | --- | --- |
| Tin | ppm | █ 0 | --- | --- | --- |
| Aluminum | ppm | █ 6 | --- | --- | --- |
| Chromium | ppm | █ 5 | --- | --- | --- |
| Molybdenum | ppm | █ <1 | --- | --- | --- |
| Nickel | ppm | █ 2 | --- | --- | --- |
| Titanium | ppm | <1 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | █ 6 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Calcium | ppm | █ 184 | --- | --- | --- |
| Magnesium | ppm | █ 3 | --- | --- | --- |
| Zinc | ppm | 4 | --- | --- | --- |
| Phosphorus | ppm | █ 941 | --- | --- | --- |
| Barium | ppm | █ 0 | --- | --- | --- |
| Boron | ppm | █ 153 | --- | --- | --- |

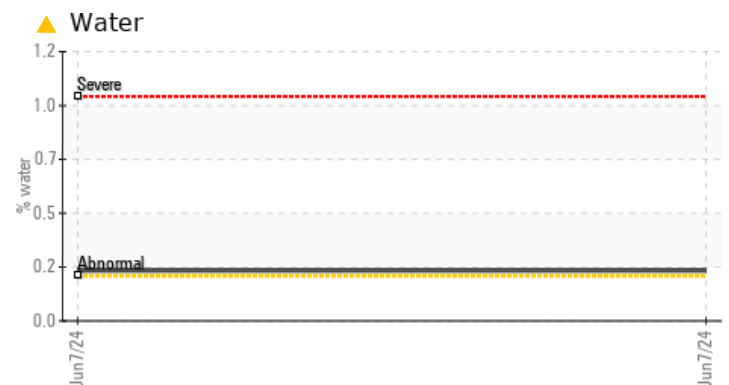
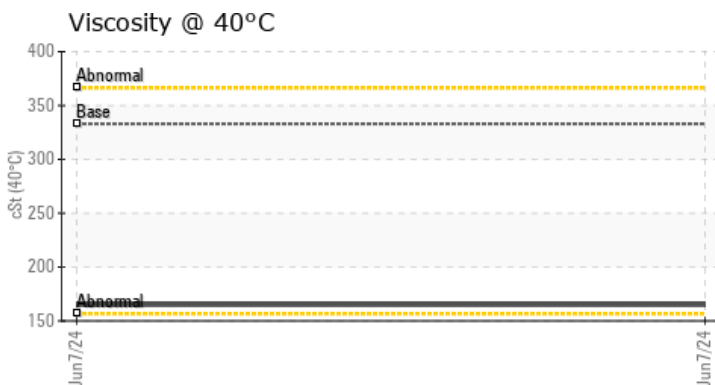
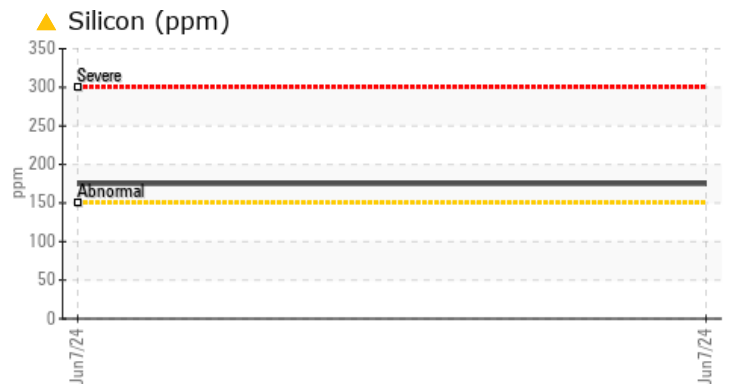
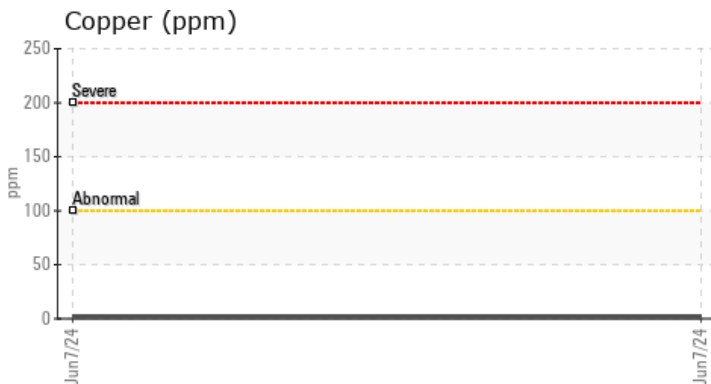
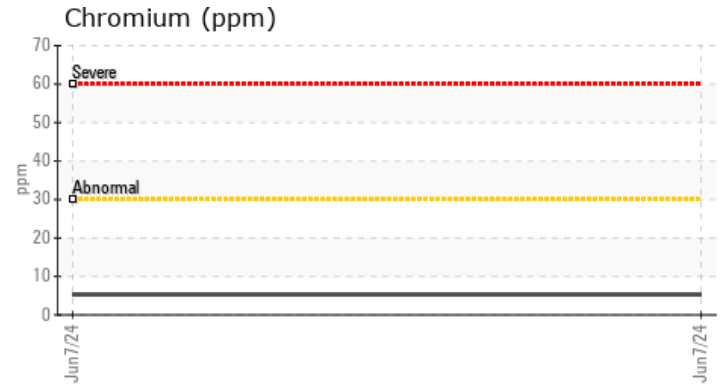
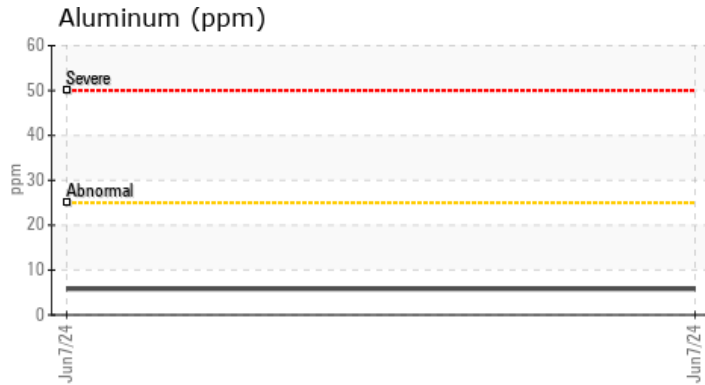
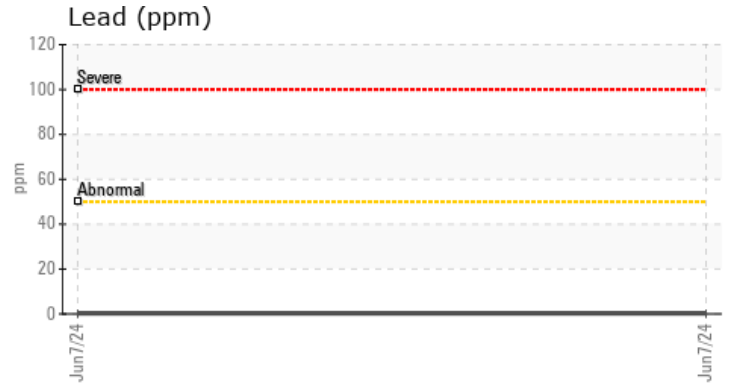
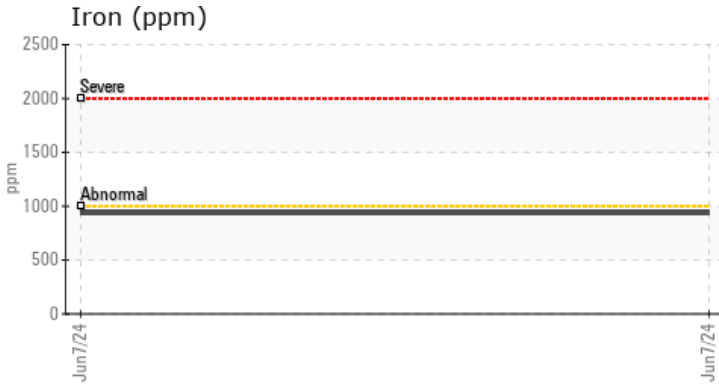
Depot: VOLVO0095
Unique No: 11075597
Signed: Don Baldrige
Report Date: 14 Jun 2024



CONSTRUCTION EQUIPMENT



GRAPHS





CONSTRUCTION EQUIPMENT

SWA581457 WASTE MGMT VOLVO EC160EL 310359 - RIGHT TRACK DRIVE



Sample No: VCP439983
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWA581457 WASTE MGMT



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | VCP439983 | VCP413178 | --- | --- |
| Sample Date | 07 Jun 2024 | 16 Oct 2023 | --- | --- |
| Machine Hours | 5316 | 4311 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | Not Chngd | Changed | --- | --- |
| Sample Status | ABNORMAL | SEVERE | --- | --- |

ALTA EQUIPMENT COMPANY
5210 REESE ROAD
DAVIE, FL
US 33314
Contact: N. FACEY
nfacey@altaequipfl.com
T: (954)581-4744
F: (954)583-0318



OIL CONDITION

| | | | | | |
|-------------|-----|-------|-------|-----|-----|
| Visc @ 40°C | cSt | █ 155 | █ 164 | --- | --- |
|-------------|-----|-------|-------|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|---------|---------|-----|-----|
| Water | % | █ 0.183 | ▲ 0.603 | --- | --- |
| Silicon | ppm | ▲ 207 | ▲ 3320 | --- | --- |
| Sodium | ppm | █ <1 | █ 19 | --- | --- |
| Potassium | ppm | █ 2 | █ 13 | --- | --- |

Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. Gear wear is indicated. All other component wear rates are normal. Elemental level of silicon (Si) above normal. The condition of the oil is acceptable for the time in service.



WEAR METALS

| | | | | | |
|------------|-----|--------|--------|-----|-----|
| Iron | ppm | ▲ 1288 | ▲ 6299 | --- | --- |
| Copper | ppm | █ 2 | █ 6 | --- | --- |
| Lead | ppm | █ <1 | █ <1 | --- | --- |
| Tin | ppm | █ 0 | █ 1 | --- | --- |
| Aluminum | ppm | █ 6 | ● 69 | --- | --- |
| Chromium | ppm | █ 7 | ▲ 41 | --- | --- |
| Molybdenum | ppm | █ <1 | █ 3 | --- | --- |
| Nickel | ppm | █ 2 | ▲ 21 | --- | --- |
| Titanium | ppm | <1 | 7 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | █ 7 | █ 39 | --- | --- |
| Vanadium | ppm | 0 | <1 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------|--------|-----|-----|
| Calcium | ppm | █ 180 | █ 2043 | --- | --- |
| Magnesium | ppm | █ 3 | █ 35 | --- | --- |
| Zinc | ppm | 6 | █ 22 | --- | --- |
| Phosphorus | ppm | █ 934 | █ 928 | --- | --- |
| Barium | ppm | █ 0 | █ 2 | --- | --- |
| Boron | ppm | █ 184 | █ 151 | --- | --- |

Depot: VOLVO0095
Unique No: 11075598
Signed: Don Baldrige
Report Date: 14 Jun 2024



CONSTRUCTION EQUIPMENT



GRAPHS

