



CONSTRUCTION EQUIPMENT

VOLVO A25G 752303 - FRONT AXLE



Sample No: VCP412892
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP412892 | --- | --- | --- |
| Sample Date | 14 Jun 2023 | --- | --- | --- |
| Machine Hours | 2719 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | ATTENTION | --- | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|--------|-----|-----|-----|
| Visc @ 40°C | cSt | ▲ 86.2 | --- | --- | --- |
|-------------|-----|--------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|-----|-----|-----|-----|
| Silicon | ppm | ■ 4 | --- | --- | --- |
| Sodium | ppm | ■ 4 | --- | --- | --- |
| Potassium | ppm | ■ 7 | --- | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Iron | ppm | ■ 245 | --- | --- | --- |
| Copper | ppm | ■ 52 | --- | --- | --- |
| Lead | ppm | ■ <1 | --- | --- | --- |
| Tin | ppm | ■ 2 | --- | --- | --- |
| Aluminum | ppm | ■ <1 | --- | --- | --- |
| Chromium | ppm | ■ 5 | --- | --- | --- |
| Molybdenum | ppm | ■ 11 | --- | --- | --- |
| Nickel | ppm | ■ 2 | --- | --- | --- |
| Titanium | ppm | 0 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | ■ 13 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | ▲ 955 | --- | --- | --- |
| Magnesium | ppm | ■ 0 | --- | --- | --- |
| Zinc | ppm | ▲ 413 | --- | --- | --- |
| Phosphorus | ppm | ▲ 1482 | --- | --- | --- |
| Barium | ppm | ■ 0 | --- | --- | --- |
| Boron | ppm | ▲ 282 | --- | --- | --- |

Diagnosis

The oil change at the time of sampling has been noted. 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 oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Depot: VOLVO0090
Unique No: 10563987
Signed: Don Baldrige
Report Date: 21 Jul 2023



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GRAPHS

