

LIEBHERR

CONSTRUCTION EQUIPMENT



145463-1218 - Splitter Box

Sample No: LH0287868

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



American Iron and Metal
 145 GATEWAY ST.
 SAINT JOHN, NB
 CA E2M 5S8
 Contact: Service Manager



Sample Information

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | LH0287868 | LH0260012 | --- | --- |
| Sample Date | 08 Apr 2024 | 18 May 2023 | --- | --- |
| Machine Hours | 1500 | 470 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | Changed | Changed | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |



Oil Condition

| | | | | | |
|-------------|-----|-----|-------|-----|-----|
| Visc @ 40°C | cSt | 173 | ● 190 | --- | --- |
|-------------|-----|-----|-------|-----|-----|

T:
F:



Contamination

| | | | | | |
|-----------|-----|------|------|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Silicon | ppm | ● <1 | ● <1 | --- | --- |
| Sodium | ppm | ● 3 | ● 3 | --- | --- |
| Potassium | ppm | ● 1 | ● <1 | --- | --- |

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.



Wear Metals

| | | | | | |
|------------|-----|------|------|-----|-----|
| Iron | ppm | ● 19 | ● 10 | --- | --- |
| Copper | ppm | ● 2 | ● <1 | --- | --- |
| Lead | ppm | ● 0 | ● 0 | --- | --- |
| Tin | ppm | ● 0 | ● 0 | --- | --- |
| Aluminum | ppm | ● <1 | ● 0 | --- | --- |
| Chromium | ppm | ● 0 | ● 0 | --- | --- |
| Molybdenum | ppm | ● 0 | ● 0 | --- | --- |
| Nickel | ppm | ● 0 | ● 0 | --- | --- |
| Titanium | ppm | 0 | 0 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | ● 2 | ● 2 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



Additives

| | | | | | |
|------------|-----|--------|--------|-----|-----|
| Calcium | ppm | ● 18 | ● 10 | --- | --- |
| Magnesium | ppm | ● 8 | ● 2 | --- | --- |
| Zinc | ppm | 34 | ● 11 | --- | --- |
| Phosphorus | ppm | ● 1431 | ● 1664 | --- | --- |
| Barium | ppm | ● <1 | ● 0 | --- | --- |
| Boron | ppm | 11 | ● 2 | --- | --- |

Depot: AME145SAI
Unique No: 5761671
Signed: Wes Davis
Report Date: 12 Apr 2024



Graphs

