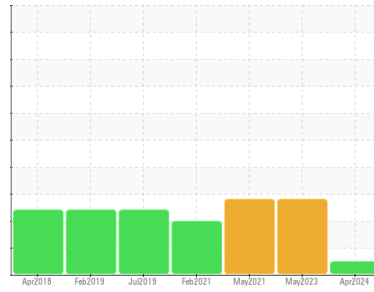


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
FM PLANT
Machine Id
FRESH AIR BLOWER F2210
Component
Inboard Blower
Fluid
MOBIL SHC 629 (9 LTR)

DIAGNOSIS

Recommendation

No corrective actions. Resample in 3 months.

Wear

Wear rate is low and steady.

Contamination

Particulate is typical for new oil conditions.

Moisture is nil.

Fluid Condition

Oil health indicators suggest the oil is acceptable for continued use.

| SAMPLE INFORMATION | | method | limit/base | current | history1 | history2 |
|--------------------|-------------|-------------|------------|--------------------|-------------|-------------|
| Sample Number | Client Info | | | PLS0000516 | PLS0000507 | PLS05254867 |
| Sample Date | Client Info | | | 07 Apr 2024 | 11 May 2023 | 13 May 2021 |
| Machine Age | mths | Client Info | | 0 | 0 | 0 |
| Oil Age | mths | Client Info | | 0 | 0 | 0 |
| Oil Changed | Client Info | | | N/A | N/A | N/A |
| Sample Status | | | | NORMAL | ABNORMAL | ABNORMAL |

| CONTAMINATION | | method | limit/base | current | history1 | history2 |
|---------------|-----------|--------|------------|------------|----------|----------|
| Water | WC Method | | | NEG | NEG | NEG |

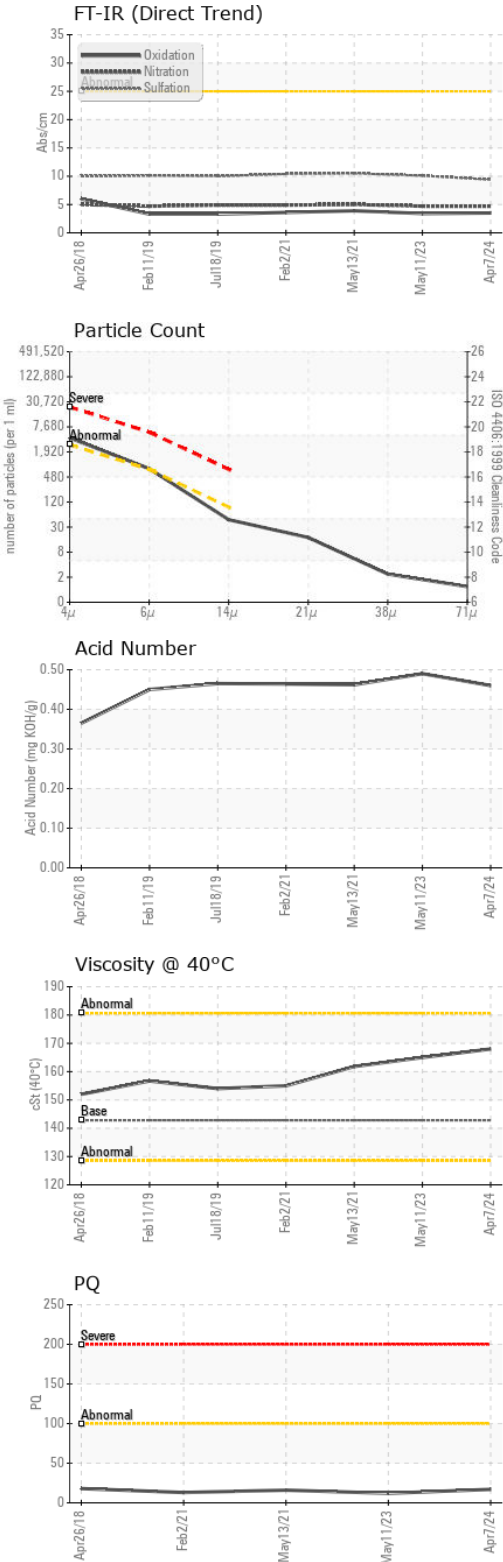
| WEAR METALS | | method | limit/base | current | history1 | history2 |
|-------------|-----|-------------|------------|--------------|----------|----------|
| PQ | | ASTM D8184 | | 17 | 12 | 16 |
| Iron | ppm | ASTM D5185m | >20 | 2 | 1 | 2 |
| Chromium | ppm | ASTM D5185m | >20 | <1 | <1 | 0 |
| Nickel | ppm | ASTM D5185m | >20 | <1 | <1 | 0 |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Aluminum | ppm | ASTM D5185m | >20 | 2 | <1 | 0 |
| Lead | ppm | ASTM D5185m | >20 | <1 | 0 | <1 |
| Copper | ppm | ASTM D5185m | >20 | <1 | 0 | <1 |
| Tin | ppm | ASTM D5185m | >20 | <1 | <1 | 0 |
| Antimony | ppm | ASTM D5185m | | --- | --- | 0 |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Cadmium | ppm | ASTM D5185m | | <1 | 0 | 0 |

| ADDITIVES | | method | limit/base | current | history1 | history2 |
|------------|-----|-------------|------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Manganese | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | | <1 | 2 | 0 |
| Calcium | ppm | ASTM D5185m | | 0 | ▲ 0 | ▲ <1 |
| Phosphorus | ppm | ASTM D5185m | | 407 | 491 | 447 |
| Zinc | ppm | ASTM D5185m | | 3 | ▲ 0 | ▲ 0 |
| Sulfur | ppm | ASTM D5185m | | 0 | ▲ 15 | 41 |

| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
|--------------|-----|-------------|------------|----------|----------|----------|
| Silicon | ppm | ASTM D5185m | >15 | 1 | 1 | <1 |
| Sodium | ppm | ASTM D5185m | | 0 | <1 | <1 |
| Potassium | ppm | ASTM D5185m | >20 | 1 | <1 | <1 |

| INFRA-RED | | method | limit/base | current | history1 | history2 |
|-----------|---------|-------------|------------|------------|----------|----------|
| Soot % | % | *ASTM D7844 | | 0 | 0.1 | 0 |
| Nitration | Abs/cm | *ASTM D7624 | | 4.7 | 4.7 | 5 |
| Sulfation | Abs.1mm | *ASTM D7415 | | 9.4 | 10.1 | 10.5 |

OIL ANALYSIS REPORT



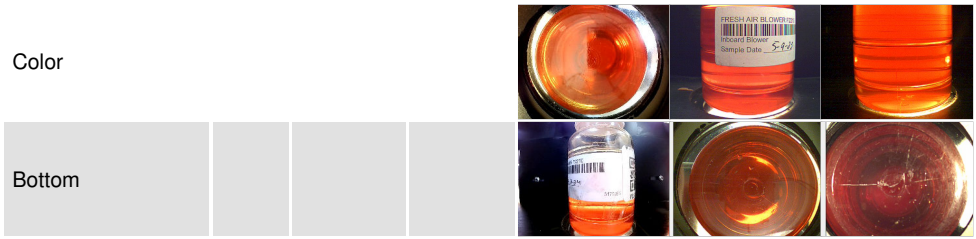
| FLUID CLEANLINESS | method | limit/base | current | history1 | history2 |
|-------------------|--------------|------------|-----------------|------------|------------|
| Particles >4µm | ASTM D7647 | >2500 | 3647 | ▲ 52939 | ▲ 177842 |
| Particles >6µm | ASTM D7647 | >640 | 668 | ▲ 4631 | ▲ 26750 |
| Particles >14µm | ASTM D7647 | >80 | 40 | ▲ 128 | 79 |
| Particles >21µm | ASTM D7647 | >20 | 15 | 20 | 20 |
| Particles >38µm | ASTM D7647 | >4 | 2 | 1 | 2 |
| Particles >71µm | ASTM D7647 | >3 | 1 | 0 | 0 |
| Oil Cleanliness | ISO 4406 (c) | >18/16/13 | 19/17/12 | ▲ 23/19/14 | ▲ 25/22/13 |

| FLUID DEGRADATION | method | limit/base | current | history1 | history2 |
|-------------------|----------------------|------------|-------------|----------|----------|
| Oxidation | Abs./1mm *ASTM D7414 | | 3.5 | 3.4 | 3.9 |
| Acid Number (AN) | mg KOH/g ASTM D8045 | | 0.46 | 0.49 | 0.462 |

| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|----------------|------------|--------------|----------|----------|
| White Metal | scalar *Visual | NONE | NONE | NONE | ▲ LIGHT |
| Yellow Metal | scalar *Visual | NONE | NONE | NONE | NONE |
| Precipitate | scalar *Visual | NONE | NONE | NONE | NONE |
| Silt | scalar *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar *Visual | NONE | NONE | NONE | NONE |
| Sand/Dirt | scalar *Visual | NONE | NONE | NONE | NONE |
| Appearance | scalar *Visual | NORML | NORML | NORML | NORML |
| Odor | scalar *Visual | NORML | NORML | NORML | NORML |
| Emulsified Water | scalar *Visual | | NEG | NEG | NEG |
| Free Water | scalar *Visual | | NEG | NEG | NEG |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|---------------|------------|------------|----------|----------|
| Visc @ 40°C | cSt ASTM D445 | 142.8 | 168 | 165 | 161.8 |

| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---------|----------|----------|
|---------------|--------|------------|---------|----------|----------|



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PLS0000516
Lab Number : 06141138
Unique Number : 10965946
Test Package : IND 2 (Additional Tests: FT-IR, PQ, PrtCount)

HEXION INC - LULING PLANT
 12513 QUEENIE RD
 LULING, LA
 US 70070
 Contact: JEFF RENTFROW
 jeff.rentfrow@hexion.com;mike.johnson@amrri.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)