



OIL ANALYSIS REPORT

| | |
|-----------------|---------------|
| WEAR | NORMAL |
| CONTAMINATION | NORMAL |
| FLUID CONDITION | NORMAL |

Area
Store 5 - Cross Lanes
Machine Id
PRIME TECH PT-300 PT-300-00672
Component
Hydraulic System
Fluid
AW HYDRAULIC OIL ISO 46 (95 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|----------|----------|
| Sample Number | | Client Info | | LEC0041623 | --- | --- |
| Sample Date | | Client Info | | 25 Aug 2023 | --- | --- |
| Machine Age | hrs | Client Info | | 546 | --- | --- |
| Oil Age | hrs | Client Info | | 546 | --- | --- |
| Filter Age | hrs | Client Info | | 42 | --- | --- |
| Oil Changed | | Client Info | | Not Chngd | --- | --- |
| Filter Changed | | Client Info | | Not Chngd | --- | --- |
| Sample Status | | | | NORMAL | --- | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|-------------|-----|-----|
| PQ | | ASTM D8184 | | 8 | --- | --- |
| Iron | ppm | ASTM D5185m | >20 | 4 | --- | --- |
| Chromium | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Nickel | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185m | | 0 | --- | --- |
| Silver | ppm | ASTM D5185m | | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Lead | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Copper | ppm | ASTM D5185m | >75 | 2 | --- | --- |
| Tin | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |

CONTAMINATION

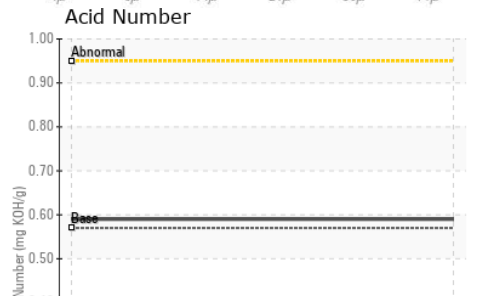
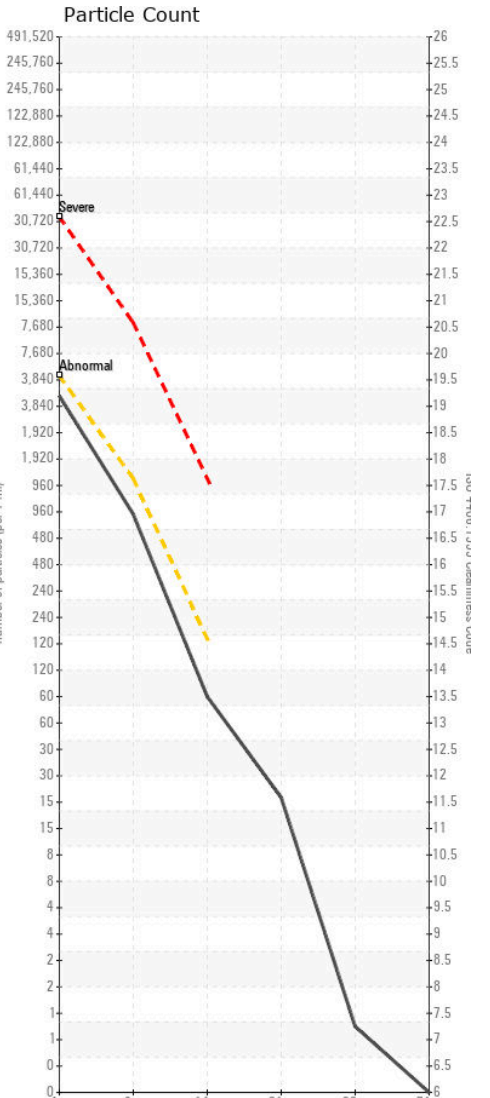
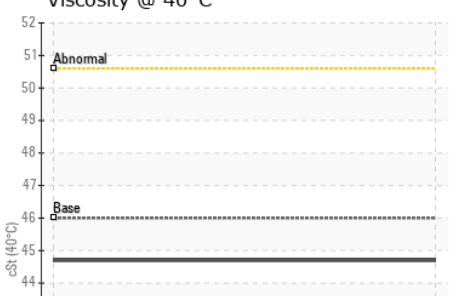
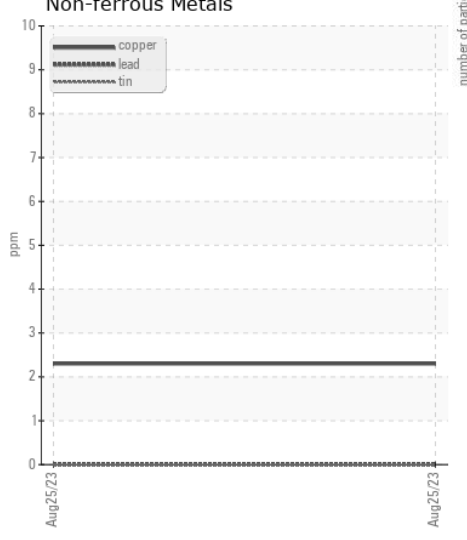
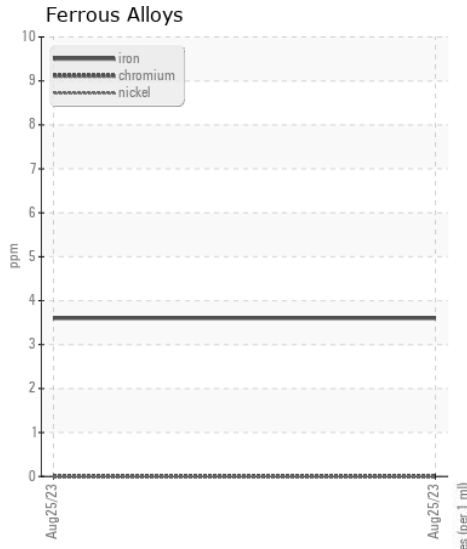
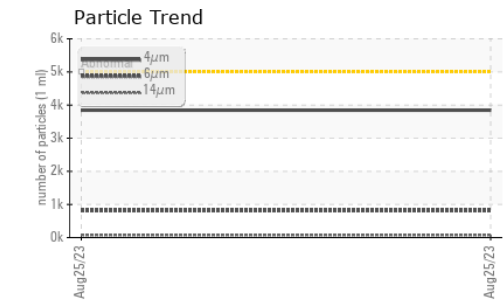
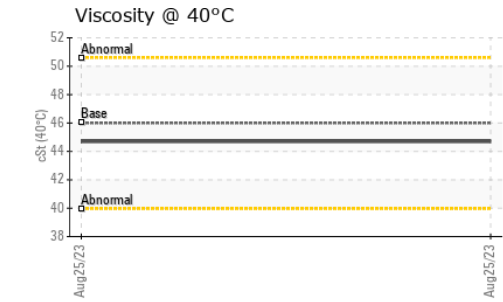
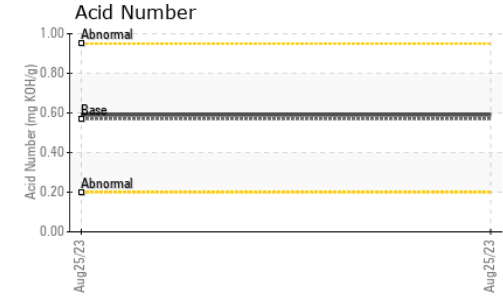
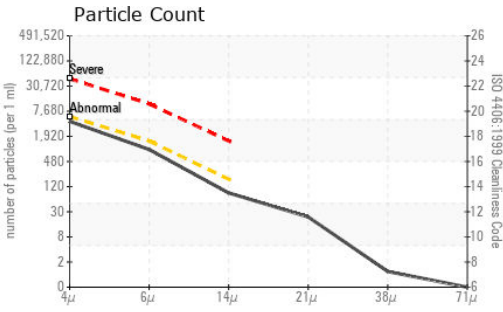
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

| | | | | | | |
|------------------|--------|--------------|-----------|-----------------|-----|-----|
| Silicon | ppm | ASTM D5185m | >20 | 6 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 0 | --- | --- |
| Water | | WC Method | >0.1 | NEG | --- | --- |
| Particles >4µm | | ASTM D7647 | >5000 | 3844 | --- | --- |
| Particles >6µm | | ASTM D7647 | >1300 | 815 | --- | --- |
| Particles >14µm | | ASTM D7647 | >160 | 75 | --- | --- |
| Particles >21µm | | ASTM D7647 | >40 | 20 | --- | --- |
| Particles >38µm | | ASTM D7647 | >10 | 1 | --- | --- |
| Particles >71µm | | ASTM D7647 | >3 | 0 | --- | --- |
| Oil Cleanliness | | ISO 4406 (c) | >19/17/14 | 19/17/13 | --- | --- |
| Silt | scalar | *Visual | NONE | NONE | --- | --- |
| Debris | scalar | *Visual | NONE | NONE | --- | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | --- | --- |
| Appearance | scalar | *Visual | NORML | NORML | --- | --- |
| Odor | scalar | *Visual | NORML | NORML | --- | --- |
| Emulsified Water | scalar | *Visual | >0.1 | NEG | --- | --- |

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

| | | | | | | |
|------------------|----------|-------------|------|-------------|-----|-----|
| Sodium | ppm | ASTM D5185m | | 0 | --- | --- |
| Boron | ppm | ASTM D5185m | 5 | 0 | --- | --- |
| Barium | ppm | ASTM D5185m | 5 | 7 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | 5 | 0 | --- | --- |
| Manganese | ppm | ASTM D5185m | | 0 | --- | --- |
| Magnesium | ppm | ASTM D5185m | 25 | 39 | --- | --- |
| Calcium | ppm | ASTM D5185m | 200 | 235 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 300 | 390 | --- | --- |
| Zinc | ppm | ASTM D5185m | 370 | 475 | --- | --- |
| Sulfur | ppm | ASTM D5185m | 2500 | 1418 | --- | --- |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.57 | 0.59 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445 | 46 | 44.7 | --- | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0041623 **Received** : 07 Sep 2023
Lab Number : 05944490 **Tested** : 08 Sep 2023
Unique Number : 10635102 **Diagnosed** : 08 Sep 2023 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

LESLIE EQUIPMENT COMPANY
 105 TENNIS CENTER DR.
 MARIETTA, OH
 US 45750-9765
 Contact: LEANNE KENDALL
 KendalLeanne@lec1.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) F: (740)373-5570