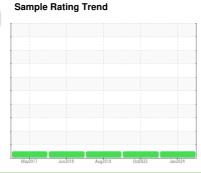


OIL ANALYSIS REPORT

[317405] SE111 T4 CAPPER

Component Gearbox

MOBIL MOBILGEAR 600 XP ISO 68 (--- QTS)





Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

Confirm oil type. The condition of the oil is acceptable for the time in service.

| SAMPLE INFORMA | ATION | method | | | | history2 |
|--|---|---|--|---|--|---|
| Sample Number | | Client Info | | BRI009671 | BRI006726 | BRI004548 |
| Sample Date | | Client Info | | 26 Jan 2024 | 10 Oct 2022 | 04 Aug 2019 |
| Machine Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |
| CONTAMINATION | | method | limit/base | current | history1 | history2 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| WEAR METALS | | method | limit/base | current | history1 | history2 |
| Iron p | ppm | ASTM D5185m | >200 | 33 | 28 | 23 |
| Chromium p | ppm | ASTM D5185m | >15 | 0 | <1 | <1 |
| Nickel p | ppm | ASTM D5185m | >15 | 0 | 0 | 0 |
| Titanium p | ppm | ASTM D5185m | | 0 | <1 | 0 |
| | ppm | ASTM D5185m | | 0 | 0 | 0 |
| | ppm | ASTM D5185m | >25 | 0 | <1 | 0 |
| | ppm | ASTM D5185m | >100 | 0 | 0 | 0 |
| | ppm | ASTM D5185m | >200 | 0 | <1 | <1 |
| | ppm | ASTM D5185m | >25 | 0 | 0 | 0 |
| | ppm | ASTM D5185m | >5 | | | 0 |
| | ppm | ASTM D5185m | | 0 | <1 | 0 |
| | ppm | ASTM D5185m | | 0 | 0 | <1 |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron p | ppm | ASTM D5185m | | <1 | 0 | <1 |
| Barium p | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Molybdenum p | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Manganese p | ppm | ASTM D5185m | | <1 | 2 | <1 |
| Mariana a di ma | | | | | | |
| Magnesium p | ppm | ASTM D5185m | | 0 | 0 | <1 |
| - | ppm ppm | ASTM D5185m ASTM D5185m | | 0 6 | 0 | <1 8 |
| Calcium p | ppm | | | | | |
| Calcium phosphorus p | | ASTM D5185m | | 6 | 0 | 8 |
| Calcium phosphorus parameter programme program | ppm ppm | ASTM D5185m ASTM D5185m | | 6 249 | 0 305 | 8 262 |
| Calcium phosphorus particles processed process | ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m | limit/base | 6 249 19 | 0 305 14 | 8 262 16 |
| Calcium phosphorus pho | ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | | 6 249 19 10424 | 0 305 14 13499 | 8 262 16 9735 |
| Calcium p Phosphorus p Zinc p Sulfur p CONTAMINANTS Silicon p | ppm ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method | | 6 249 19 10424 current | 0 305 14 13499 history1 | 8 262 16 9735 history2 |
| Calcium p Phosphorus p Zinc p Sulfur p CONTAMINANTS Silicon p Sodium p | ppm ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m | >50 | 6 249 19 10424 current | 0 305 14 13499 history1 | 8 262 16 9735 history2 |
| Calcium p Phosphorus p Zinc p Sulfur p CONTAMINANTS Silicon p Sodium p | opm opm opm opm opm opm opm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m | >50 | 6 249 19 10424 current <1 | 0 305 14 13499 history1 2 | 8 262 16 9735 history2 1 |
| Calcium phosphorus phosphorus process | opm opm opm opm opm opm opm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m | >50 >20 | 6 249 19 10424 current <1 <1 0 | 0 305 14 13499 history1 2 0 | 8 262 16 9735 history2 1 1 |
| Calcium phosphorus pho | ppm ppm ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | >50 >20 limit/base | 6 249 19 10424 current <1 <1 0 current | 0 305 14 13499 history1 2 0 0 | 8 262 16 9735 history2 1 0 history2 |
| Calcium phosphorus pho | ppm ppm ppm ppm ppm ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual | >50 >20 limit/base NONE | 6 249 19 10424 current <1 <1 0 current NONE NONE | 0 305 14 13499 history1 2 0 0 history1 NONE | 8 262 16 9735 history2 1 1 0 history2 NONE |
| Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate | pppm pppm pppm pppm pppm pppm pppm scalar scalar | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method *Visual *Visual *Visual | >50 >20 limit/base NONE NONE NONE | 6 249 19 10424 current <1 <1 0 current NONE NONE NONE | 0 305 14 13499 history1 2 0 0 history1 NONE NONE | 8 262 16 9735 history2 1 1 0 history2 NONE NONE |
| Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt | pppm pppm pppm pppm pppm pppm pppm scalar scalar scalar scalar | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual | >50 >20 limit/base NONE NONE NONE NONE | 6 249 19 10424 current <1 <1 0 current NONE NONE NONE NONE | 0 305 14 13499 history1 2 0 0 history1 NONE NONE NONE | 8 262 16 9735 history2 1 1 0 history2 NONE NONE NONE |
| Calcium Phosphorus Finc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris | pppm pppm pppm pppm pppm pppm pppm scalar scalar scalar scalar scalar | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual | >50 >20 limit/base NONE NONE NONE NONE NONE NONE | 6 249 19 10424 current <1 <1 0 current NONE NONE NONE NONE NONE NONE NONE | 0 305 14 13499 history1 2 0 0 history1 NONE NONE NONE NONE NONE NONE | 8 262 16 9735 history2 1 1 0 history2 NONE NONE NONE NONE NONE NONE |
| Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt | pppm pppm pppm pppm pppm pppm pppm scalar scalar scalar scalar | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual | >50 >20 limit/base NONE NONE NONE NONE | 6 249 19 10424 current <1 <1 0 current NONE NONE NONE NONE | 0 305 14 13499 history1 2 0 0 history1 NONE NONE NONE | 8 262 16 9735 history2 1 1 0 history2 NONE NONE NONE NONE |

NORML

NEG

NEG

NORML

>0.2

scalar *Visual

scalar *Visual

*Visual

scalar

NORML

NEG

Odor

Emulsified Water

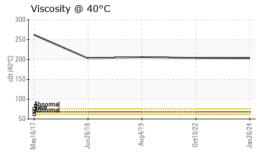
NORML

NEG

EN QEAWFORD - HEROWINNC



OIL ANALYSIS REPORT





GRAPHS Ferrous Alloys Non-ferrous Metals Viscosity @ 40°C (200 (200 150



Certificate L2367

Laboratory Sample No. Lab Number Test Package : IND 1

: BRI009671 : 06075233 Unique Number : 10857324

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 30 Jan 2024 Diagnosed : 01 Feb 2024 Diagnostician : Don Baldridge

HERBALIFE 3200 TEMPLE SCHOOL ROAD WINSTON SALEM, NC US 27107

Contact: KEN CRAWFORD kennethcr@herbalife.com T: (336)239-8541

* - 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: