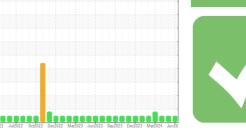


OKLAHOMA

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL





| | SAMPLE INFORM | IATION | method | limit/base | current | history1 | history2 |
|------|------------------|----------|-------------|------------|-------------|-------------|-------------|
| | Sample Number | | Client Info | | WC0929927 | WC0929922 | WC0929932 |
| ə. | Sample Date | | Client Info | | 08 Jun 2024 | 06 May 2024 | 09 Apr 2024 |
| | Machine Age | hrs | Client Info | | 4711 | 4594 | 4511 |
| | Oil Age | hrs | Client Info | | 3204 | 3087 | 3004 |
| | Oil Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| | Sample Status | | | | NORMAL | NORMAL | NORMAL |
| | CONTAMINATION | ۷ | method | limit/base | current | history1 | history2 |
| cant | Fuel | | WC Method | >5 | <1.0 | <1.0 | <1.0 |
| No | Water | | WC Method | >0.2 | NEG | NEG | NEG |
| | WEAR METALS | | method | limit/base | current | history1 | history2 |
| | Iron | ppm | ASTM D5185m | >100 | 74 | 74 | 62 |
| е | Chromium | ppm | ASTM D5185m | >20 | 4 | 4 | 3 |
| | Nickel | ppm | ASTM D5185m | >4 | 0 | <1 | 0 |
| | Titanium | ppm | ASTM D5185m | | <1 | <1 | 0 |
| | Silver | ppm | ASTM D5185m | >3 | 0 | 0 | 0 |
| | Aluminum | ppm | ASTM D5185m | >20 | 31 | 33 | 29 |
| | Lead | ppm | ASTM D5185m | >40 | 1 | <1 | 0 |
| | Copper | ppm | ASTM D5185m | >330 | 4 | 3 | 2 |
| | Tin | ppm | ASTM D5185m | >15 | 0 | 1 | <1 |
| | Vanadium | ppm | ASTM D5185m | | <1 | <1 | 0 |
| | Cadmium | ppm | ASTM D5185m | | 0 | <1 | 0 |
| | ADDITIVES | | method | limit/base | current | history1 | history2 |
| | Boron | ppm | ASTM D5185m | | 0 | 0 | <1 |
| | Barium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| | Molybdenum | ppm | ASTM D5185m | | 58 | 58 | 52 |
| | Manganese | ppm | ASTM D5185m | | 1 | 1 | 1 |
| | Magnesium | ppm | ASTM D5185m | | 1026 | 925 | 951 |
| | Calcium | ppm | ASTM D5185m | | 1200 | 1095 | 1086 |
| | Phosphorus | ppm | ASTM D5185m | | 1082 | 1007 | 1045 |
| | Zinc | ppm | ASTM D5185m | | 1338 | 1248 | 1295 |
| | Sulfur | ppm | ASTM D5185m | | 3355 | 3121 | 3180 |
| | CONTAMINANTS | | method | limit/base | current | history1 | history2 |
| | Silicon | ppm | ASTM D5185m | >25 | 6 | 6 | 5 |
| | Sodium | ppm | ASTM D5185m | | 20 | 18 | 16 |
| | Potassium | ppm | ASTM D5185m | >20 | 81 | 93 | 79 |
| | Glycol | % | *ASTM D2982 | | NEG | NEG | 0.0 |
| | INFRA-RED | | method | limit/base | current | history1 | history2 |
| | Soot % | % | *ASTM D7844 | >3 | 1.2 | 1.2 | 1.2 |
| | Nitration | Abs/cm | *ASTM D7624 | >20 | 12.6 | 12.5 | 12.2 |
| | Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 26.5 | 26.9 | 26.5 |
| | FLUID DEGRADA | TION | method | limit/base | current | history1 | history2 |
| | Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 23.0 | 23.1 | 23.1 |
| | | | | | | | |
| | Base Number (BN) | mg KOH/g | ASTM D2896 | | 6.0 | 6.0 | 6.3 |

Diesel Engine

Recommendation

No corrective action is recommended at this time Resample at the next service interval to monitor.

MYSTIK JT-8 SYN SUPER HD 15W40 (--- GAL)

Wear

Area

Fluic

5568

All component wear rates are normal.

Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubric and is common on new equipment/components. other contaminants were detected in the oil.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.



OIL ANALYSIS REPORT

*Visual

*Visual

*Visual

*Visual

*Visual

*Visual

*Visual

*Visual

ASTM D445

scalar *Visual

scalar *Visual

scalar

scalar

scalar

scalar

scalar

scalar

scalar

scalar

cSt

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

>0.2

15.6

White Metal

Yellow Metal

Precipitate

Silt

Debris

Odor

Sand/Dirt

Appearance

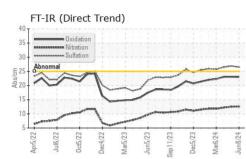
Free Water

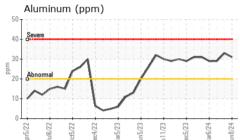
Visc @ 100°C

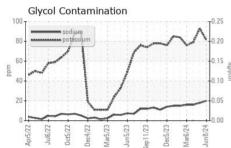
GRAPHS

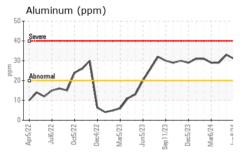
Emulsified Water

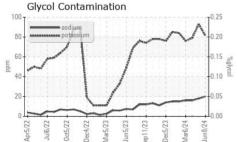
FLUID PROPERTIES

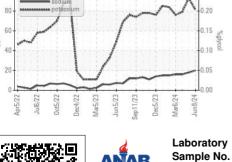








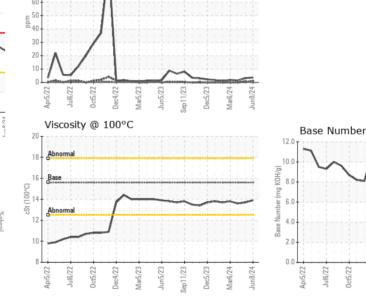




Certificate 12367



| | Fe | rrous | Allo | ys | | | | | | | | | | |
|------------------------------|--|---------|--|--------------|---------|-----------------------|----------|---------|---------|---------|---|--|--|--|
| | 160 T | | iron | | | | | | | | | | | |
| Jun8/24 | 100000000000000000000000000000000000000 | | chromiu | m | | | | | | | | | | |
| - T | 120 | | | T | | | | | | | | | | |
| | E 80 | | 1 | | | | | | | | | | | |
| 0.25 | 60-/ | ~ | 1 | | | | | | | - | | | | |
| 0.20 | 40 | | | | | 1 | | - | | | | | | |
| | | | | | | | | | | | | | | |
| 15 | 20- | | | 1 | 1 | / | | | | | | | | |
| 1.15 %glycc | 20- | | | and a shared | / | and the second second | | | | | _ | | | |
| 1.15 %glycol | 0 | | and set of the local diversion of the local d | and a shared | | and the second second | | | r6/24 | 18/24 | _ | | | |
| glycol | Apr5/22 | Jul6/22 | 0ct5/22 | Dec4/22 | Mar5/23 | Jun5/23 | Sep11/23 | Dec5/23 | Mar6/24 | Jun8/24 | | | | |
| glycol 1.10 | Apr5/22 | | 0ct5/22 - | Dec4/22 - | | and the second second | | | Mar6/24 | Jun8/24 | | | | |
| glycol 1.10 | Apr5/22 0 No | n-fer | Oct5/22 | Dec4/22 - | | and the second second | | | Mar6/24 | Jun8/24 | - | | | |
| gilycol).10 | 0 90 90 90 90 90 90 90 90 90 90 90 90 90 | n-fer | copper | Dec4/22 - | | and the second second | | | Mar6/24 | Jun8/24 | - | | | |
| 0.15 0.10 0.05 0.00 | Apr5/22 | on-fer | Oct2/522 copper lead | Dec4/22 - | | and the second second | | | Mar6/24 | Jun8/24 | | | | |



: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received

Diagnosed

Tested

: 14 Jun 2024

: 19 Jun 2024

: 19 Jun 2024 - Sean Felton

: WC0929927

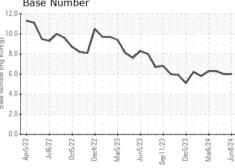
To discuss this sample report, contact Customer Service at 1-800-237-1369.

Test Package : FLEET (Additional Tests: Glycol)

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Lab Number : 06211126

Unique Number : 11083990



NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

13.7

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

13.6

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

13.9

LIBERTY DISPOSAL

6401 S EASTERN AVE OKLAHOMA CITY, OK US 73149 Contact: M Rutherford M.Rutherford@ldi89.com Т: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Report Id: SEAOKL [WUSCAR] 06211126 (Generated: 06/22/2024 21:35:36) Rev: 1

Contact/Location: M Rutherford - SEAOKL

Page 2 of 2