

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Machine Id **004 - M-DELVAC 1300 10W30**

Component

New (Unused) Oil

{not provided} (--- GAL)

DIAGNOSIS

Recommendation

This is a baseline read-out on the submitted sample.

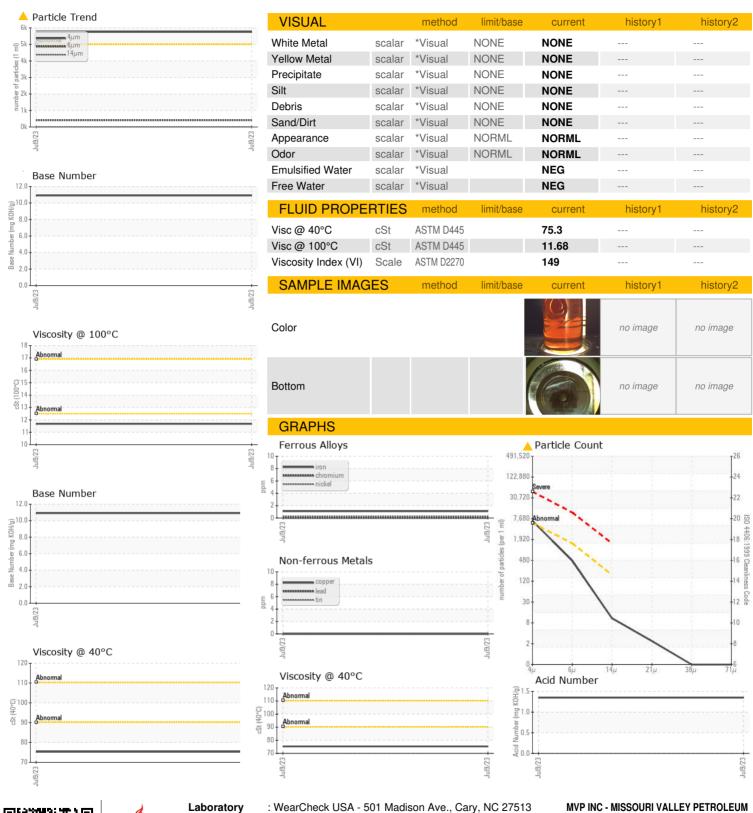
Contamination

There is a moderate amount of silt (particulates < 6 microns in size) present in the oil.

| | | | | Jul2023 | | |
|---------------------------------------|-----------|----------------------------|------------|-------------------|----------|----------|
| SAMPLE INFORMA | NOITA | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | PCA0099968 | | |
| Sample Date | | Client Info | | 09 Jul 2023 | | |
| | nrs | Client Info | | 0 | | |
| Ü | nrs | Client Info | | 0 | | |
| Oil Changed | 0 | Client Info | | N/A | | |
| Sample Status | | | | ATTENTION | | |
| WEAR METALS | | method | limit/base | current | history1 | history2 |
| ron p | pm | ASTM D5185m | | 1 | | |
| | pm | ASTM D5185m | | 0 | | |
| | pm | ASTM D5185m | | <1 | | |
| | pm | ASTM D5185m | | 0 | | |
| | pm | ASTM D5185m | | <1 | | |
| , , , , , , , , , , , , , , , , , , , | pm | ASTM D5105m | | 0 | | |
| | pm | ASTM D5185m | | 0 | | |
| | | ASTM D5185m | | 0 | | |
| | ppm | ASTM D5185m | | 0 | | |
| | pm | | | | | |
| | pm pm | ASTM D5185m ASTM D5185m | | 0 | | |
| | рш | | 11 11 11 | | | |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| | ppm | ASTM D5185m | | 86 | | |
| | pm | ASTM D5185m | | 0 | | |
| | ppm | ASTM D5185m | | 38 | | |
| | pm | ASTM D5185m | | <1 | | |
| | ppm | ASTM D5185m | | 443 | | |
| | pm | ASTM D5185m | | 1624 | | |
| | pm | ASTM D5185m | | 696 | | |
| Zinc p | pm | ASTM D5185m | | 818 | | |
| Sulfur p | pm | ASTM D5185m | | 2264 | | |
| CONTAMINANTS | S | method | limit/base | current | history1 | history2 |
| Silicon p | pm | ASTM D5185m | | 7 | | |
| Sodium p | pm | ASTM D5185m | | 0 | | |
| Potassium p | pm | ASTM D5185m | >20 | 2 | | |
| FLUID CLEANLIN | NESS | method | limit/base | current | history1 | history2 |
| Particles >4µm | | ASTM D7647 | >5000 | ▲ 5756 | | |
| Particles >6µm | | ASTM D7647 | >1300 | 414 | | |
| Particles >14µm | | ASTM D7647 | >160 | 9 | | |
| Particles >21µm | | ASTM D7647 | >40 | 2 | | |
| Particles >38µm | | ASTM D7647 | >10 | 0 | | |
| Particles >71µm | | ASTM D7647 | >3 | 0 | | |
| Oil Cleanliness | | ISO 4406 (c) | >19/17/14 | <u>^</u> 20/16/10 | | |
| FLUID DEGRADA | TION | method | limit/base | current | history1 | history2 |
| Acid Number (AN) | ng KOH/g | ASTM D8045 | | 1.35 | | |
| ` ' | ng KOH/g | ASTM D2896 | | 10.91 | | |
| Dasc Halling (DIN) | ig NOI1/g | 7.0 TWI D2030 | | 10.31 | | |



OIL ANALYSIS REPORT







Report Id: MVPMAN [WUSCAR] 05894140 (Generated: 07/12/2023 17:18:57) Rev: 1

Laboratory Sample No. Lab Number **Unique Number**

: 05894140

: PCA0099968

Received : 10549950

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

: 10 Jul 2023 Diagnosed : 12 Jul 2023 Diagnostician : Jonathan Hester

1722 MANDAN AVE

MANDAN, ND US 58554

F: (701)663-9445

Test Package : MOB 2 (Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, TBN, VI) Certificate L2367 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.

Contact: RIC ABERLE RICHARD.ABERLE@PARKLANDUSA.COM T: (701)663-5091

Contact/Location: RIC ABERLE - MVPMAN