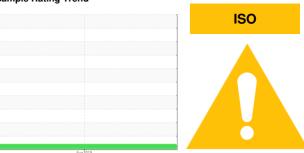


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# KAESER SK 20 6323895 (S/N 1018)

Compressor

KAESER SIGMA (OEM) M-460 (--- GAL)

## **DIAGNOSIS**

#### Recommendation

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

## Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

#### Fluid Condition

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

|                 |          |                          |            | lug2019      |          | `        |
|-----------------|----------|--------------------------|------------|--------------|----------|----------|
|                 |          |                          | ,          | 100g2013     |          |          |
| SAMPLE INFORM   | MATION   | method                   | limit/base | current      | history1 | history2 |
|                 |          |                          |            |              |          |          |
| Sample Number   |          | Client Info              |            | KCP16341     |          |          |
| Sample Date     |          | Client Info              |            | 09 Aug 2019  |          |          |
| Machine Age     | hrs      | Client Info              |            | 1562         |          |          |
| Oil Age         | hrs      | Client Info              |            | 1562         |          |          |
| Oil Changed     |          | Client Info              |            | Changed      |          |          |
| Sample Status   |          |                          |            | ABNORMAL     |          |          |
| WEAR METALS     |          | method                   | limit/base | current      | history1 | history2 |
| Iron            | ppm      | ASTM D5185m              | >50        | 2            |          |          |
| Chromium        | ppm      | ASTM D5185m              | >10        | 0            |          |          |
| Nickel          | ppm      | ASTM D5185m              | >3         | <1           |          |          |
| Titanium        | ppm      | ASTM D5185m              | >3         | 0            |          |          |
| Silver          | ppm      | ASTM D5185m              | >2         | 0            |          |          |
| Aluminum        | ppm      | ASTM D5185m              | >10        | 0            |          |          |
| Lead            | ppm      | ASTM D5185m              | >10        | <1           |          |          |
| Copper          | ppm      | ASTM D5185m              | >50        | 10           |          |          |
| Tin             | ppm      | ASTM D5185m              | >10        | 0            |          |          |
| Antimony        | ppm      | ASTM D5185m              |            | 0            |          |          |
| Vanadium        | ppm      | ASTM D5185m              |            | 0            |          |          |
| Cadmium         | ppm      | ASTM D5185m              |            | 0            |          |          |
|                 | ррпп     |                          |            | U            |          |          |
| ADDITIVES       |          | method                   | limit/base | current      | history1 | history2 |
| Boron           | ppm      | ASTM D5185m              | 0          | 0            |          |          |
| Barium          | ppm      | ASTM D5185m              | 90         | 0            |          |          |
| Molybdenum      | ppm      | ASTM D5185m              | 0          | 0            |          |          |
| Manganese       | ppm      | ASTM D5185m              |            | <1           |          |          |
| Magnesium       | ppm      | ASTM D5185m              | 100        | 16           |          |          |
| Calcium         | ppm      | ASTM D5185m              | 0          | <1           |          |          |
| Phosphorus      | ppm      | ASTM D5185m              | 0          | 0            |          |          |
| Zinc            | ppm      | ASTM D5185m              | 0          | 43           |          |          |
| Sulfur          | ppm      | ASTM D5185m              | 23500      | 17105        |          |          |
| CONTAMINANTS    | }        | method                   | limit/base | current      | history1 | history2 |
| Silicon         | ppm      | ASTM D5185m              | >25        | <1           |          |          |
| Sodium          | ppm      | ASTM D5185m              |            | 6            |          |          |
| Potassium       |          | ASTM D5185m              | >20        | 5            |          |          |
| Water           | ppm<br>% | ASTM D5165111            | >0.05      | 0.015        |          |          |
| ppm Water       | ppm      | ASTM D6304<br>ASTM D6304 | >50.05     | 157.4        |          |          |
|                 |          |                          |            |              |          |          |
| FLUID CLEANLIN  | IESS     | method                   | limit/base | current      | history1 | history2 |
| Particles >4µm  |          | ASTM D7647               |            | 27319        |          |          |
| Particles >6µm  |          | ASTM D7647               | >1300      | <u> </u>     |          |          |
| Particles >14µm |          | ASTM D7647               | >80        | 57           |          |          |
| Particles >21μm |          | ASTM D7647               | >20        | 9            |          |          |
| Particles >38µm |          | ASTM D7647               | >4         | 0            |          |          |
| Particles >71µm |          | ASTM D7647               | >3         | 0            |          |          |
| Oil Cleanliness |          | ISO 4406 (c)             | >/17/13    | <b>20/13</b> |          |          |
|                 |          |                          |            |              |          |          |

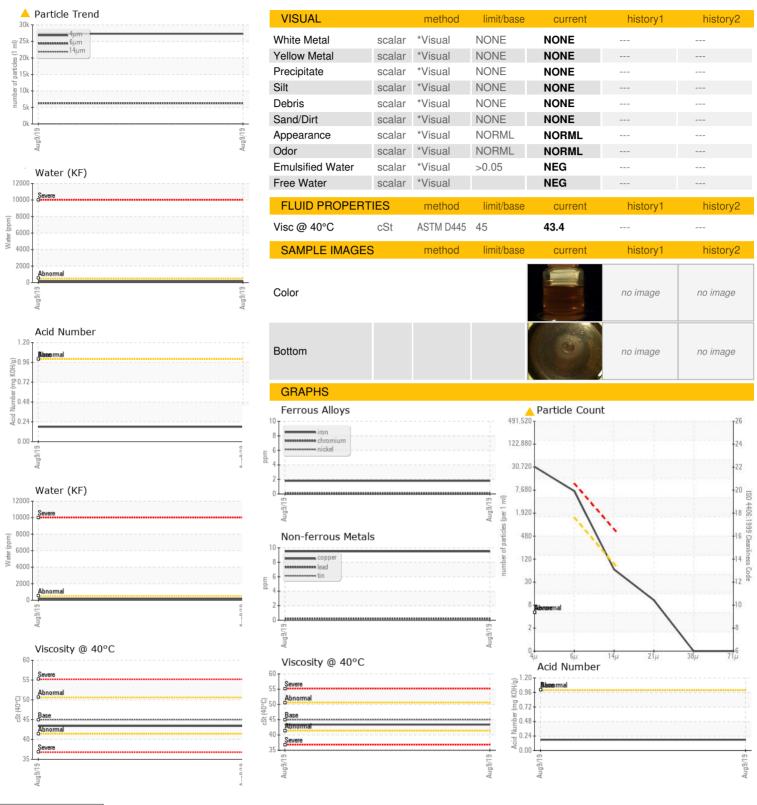
Acid Number (AN)

mg KOH/g ASTM D8045 1.0

Contact/Location: CHUCK RITTER - DAREDW



## **OIL ANALYSIS REPORT**





Certificate 12367

Laboratory Sample No.

: KCP16341 Lab Number : 04806913 Unique Number : 8751784

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

Received Tested Diagnosed

: 01 Oct 2019 Test Package : IND 2 ( Additional Tests: KF, PrtCount )

: 25 Sep 2019

: 01 Oct 2019 - Doug Bogart

Contact: CHUCK RITTER chuck.ritter@starleasing.com

**DART TRANSIT - STAR LEASING CO LLC** 

148 ENTERPRISE DR

EDWARDSVILLE, IL

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

Report Id: DAREDW [WUSCAR] 04806913 (Generated: 05/15/2024 16:23:41) Rev: 1

Contact/Location: CHUCK RITTER - DAREDW

US 62025

T:

F: