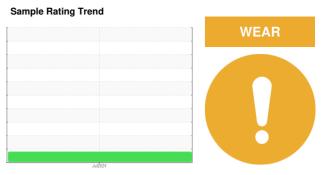


OIL ANALYSIS REPORT

DOOSAN MAX 46

DOOSAN D50 DOOSAN D50 - RITUS CORP (S/N NOT GIVEN)

Compressor



Recommendation

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

Wear

The iron level is abnormal. All other component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil. There is a moderate amount of visible silt present in the sample.

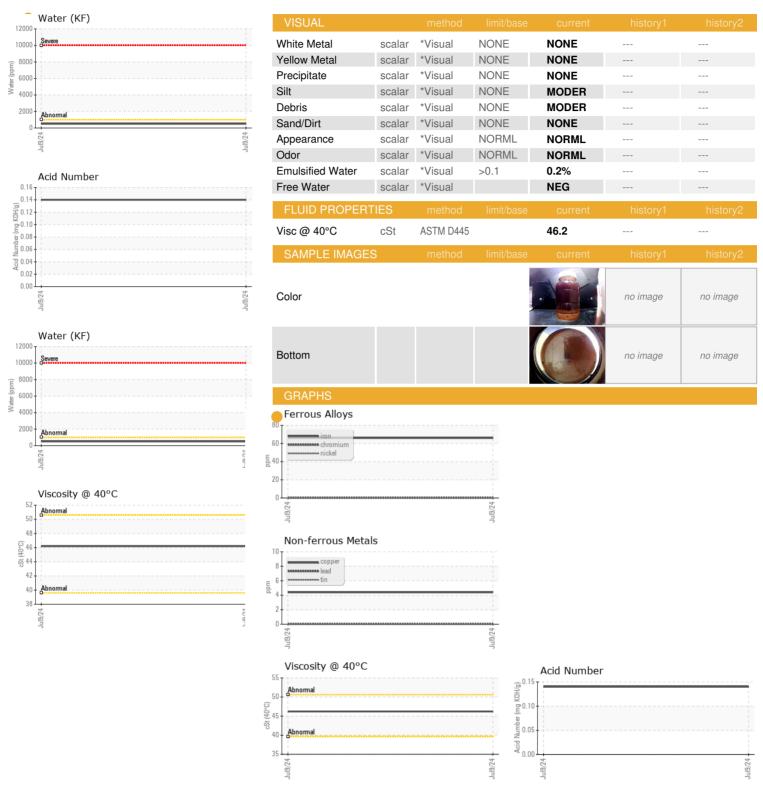
Fluid Condition

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

SAMPLE INFORMATION method limit/base current history1 history1 Sample Number Client Info UCZ06236144 Sample Date Client Info 09 Jul 2024 Machine Age hrs Client Info 14634 Oil Age hrs Client Info Changed Oil Changed Client Info Changed Sample Status ATTENTION WEAR METALS method limit/base current history1 hr Iron ppm ASTM D5185m >50 66 WEAR METALS method limit/base current history1 hr Iron ppm ASTM D5185m >50 66 Iron ppm ASTM D5185m 0 Iron ppm ASTM D5185m 0
Sample Date Client Info 09 Jul 2024 Machine Age hrs Client Info 14634 Oil Age hrs Client Info 8812 Oil Changed Client Info Changed Sample Status ATTENTION WEAR METALS method limit/base current history1 Iron ppm ASTM D5185m >50 66 Chromium ppm ASTM D5185m >5 0 Nickel ppm ASTM D5185m 0 Silver ppm ASTM D5185m >15 0 Aluminum ppm ASTM D5185m >65 0 Lead ppm ASTM D5185m >65 4 Copper ppm ASTM D5185m >10
Machine Age hrs Client Info 14634 Oil Age hrs Client Info 8812 Oil Changed Client Info Changed Sample Status ATTENTION WEAR METALS method limit/base current history1 h Iron ppm ASTM D5185m >50 666 Chromium ppm ASTM D5185m >5 0 Nickel ppm ASTM D5185m 0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >65 0 Lead ppm ASTM D5185m >65 4 Copper ppm ASTM D5185m >10 0 Tin ppm ASTM D5185m >0
Oil Age hrs Client Info 8812 Oil Changed Client Info Changed Sample Status ATTENTION WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185m >50 66 Chromium ppm ASTM D5185m >5 0 Nickel ppm ASTM D5185m 0 Titanium ppm ASTM D5185m 0 Silver ppm ASTM D5185m >15 0 Aluminum ppm ASTM D5185m >65 0 Lead ppm ASTM D5185m >65 4 Tin ppm ASTM D5185m >10 0 Vanadium ppm ASTM D5185m
Oil Changed Sample Status Client Info Changed ATTENTION WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185m >50 66 Chromium ppm ASTM D5185m >5 0 Nickel ppm ASTM D5185m 0 Titanium ppm ASTM D5185m 0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >65 0 Lead ppm ASTM D5185m >65 4 Tin ppm ASTM D5185m >10 0 Vanadium ppm ASTM D5185m 0
Sample Status ATTENTION WEAR METALS method limit/base current history1 history1
WEAR METALS method limit/base current history1 h Iron ppm ASTM D5185m >50 66 Chromium ppm ASTM D5185m >5 0 Nickel ppm ASTM D5185m 0 Titanium ppm ASTM D5185m 0 Silver ppm ASTM D5185m >15 0 Aluminum ppm ASTM D5185m >65 0 Lead ppm ASTM D5185m >65 4 Copper ppm ASTM D5185m >10 0 Vanadium ppm ASTM D5185m 0
Iron ppm ASTM D5185m >50 66 Chromium ppm ASTM D5185m >5 0 Nickel ppm ASTM D5185m 0 Titanium ppm ASTM D5185m 0 Silver ppm ASTM D5185m >15 0 Aluminum ppm ASTM D5185m >65 0 Lead ppm ASTM D5185m >65 4 Copper ppm ASTM D5185m >10 0 Tin ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m 0
Chromium ppm ASTM D5185m >5 0 Nickel ppm ASTM D5185m 0 Titanium ppm ASTM D5185m 0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >15 0 Lead ppm ASTM D5185m >65 0 Copper ppm ASTM D5185m >65 4 Tin ppm ASTM D5185m >10 0 Vanadium ppm ASTM D5185m 0
Nickel ppm ASTM D5185m 0 Titanium ppm ASTM D5185m 0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >15 0 Lead ppm ASTM D5185m >65 0 Copper ppm ASTM D5185m >65 4 Tin ppm ASTM D5185m >10 0 Vanadium ppm ASTM D5185m 0
Titanium ppm ASTM D5185m 0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >15 0 Lead ppm ASTM D5185m >65 0 Copper ppm ASTM D5185m >65 4 Tin ppm ASTM D5185m >10 0 Vanadium ppm ASTM D5185m 0
Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >15 0 Lead ppm ASTM D5185m >65 0 Copper ppm ASTM D5185m >65 4 Tin ppm ASTM D5185m >10 0 Vanadium ppm ASTM D5185m 0
Aluminum ppm ASTM D5185m >15 0 Lead ppm ASTM D5185m >65 0 Copper ppm ASTM D5185m >65 4 Tin ppm ASTM D5185m >10 0 Vanadium ppm ASTM D5185m 0
Lead ppm ASTM D5185m >65 0 Copper ppm ASTM D5185m >65 4 Tin ppm ASTM D5185m >10 0 Vanadium ppm ASTM D5185m 0
Copper ppm ASTM D5185m >65 4 Tin ppm ASTM D5185m >10 0 Vanadium ppm ASTM D5185m 0
Tin ppm ASTM D5185m >10 0 Vanadium ppm ASTM D5185m 0
Vanadium ppm ASTM D5185m 0
Cadmium ppm ASTM D5185m 0
ADDITIVES method limit/base current history1 h
Boron ppm ASTM D5185m 0
Barium ppm ASTM D5185m 0
Molybdenum ppm ASTM D5185m 0
Manganese ppm ASTM D5185m 0
Magnesium ppm ASTM D5185m 2
Calcium ppm ASTM D5185m 0
Phosphorus ppm ASTM D5185m 357
Zinc ppm ASTM D5185m 0
Sulfur ppm ASTM D5185m 2429
CONTAMINANTS method limit/base current history1 h
Silicon ppm ASTM D5185m >35 5
Silicon ppm ASTM D5185m >35 5 Sodium ppm ASTM D5185m <1
Silicon ppm ASTM D5185m >35 5 Sodium ppm ASTM D5185m <1 Potassium ppm ASTM D5185m >20 0
Silicon ppm ASTM D5185m >35 5 Sodium ppm ASTM D5185m <1 Potassium ppm ASTM D5185m >20 0
Silicon ppm ASTM D5185m >35 5 Sodium ppm ASTM D5185m <1 Potassium ppm ASTM D5185m >20 0 Water % ASTM D6304 >0.1 0.051



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No.

Lab Number : 06236144

: UCZ06236144

Unique Number : 11124978

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

: 15 Jul 2024 : 16 Jul 2024

Diagnosed

: 17 Jul 2024 - Don Baldridge Test Package : IND 2 (Additional Tests: KF)

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: (262)695-7017 Contact/Location: TONY STELLA - UCZORPEW

ZORN COMP & EQUIPMENT INC - MAIN

1335 E WISCONSIN AVE

Contact: TONY STELLA

tony.stella@zornair.com

PEWAUKEE, WI

T: (800)476-4637

US 53072