

OIL ANALYSIS REPORT

Sample Rating Trend





DIAGNOSIS

Contamination

Fluid Condition

is acceptable for this fluid.

monitor.

Wear

the oil.

Recommendation

Machine Id JOHN DEERE 544H W-9 Hydraulic System

AW HYDRAULIC OIL ISO 32 (--- GAL)

SAMPLE INFORMATION method limit/base current history1 history2 LP0001303 Sample Number **Client Info** Oil and filter change at the time of sampling has 17 Jun 2024 Sample Date Client Info been noted. No corrective action is recommended 11773 Machine Age hrs **Client Info** at this time. Resample at the next service interval to Oil Age hrs Client Info 386 Oil Changed Client Info Changed ABNORMAL Sample Status All component wear rates are normal. CONTAMINATION method limit/base current history1 history2 There is a high amount of particulates present in Water WC Method >0.075 NEG WEAR METALS method limit/base current historv1 history2 Iron ppm ASTM D5185m >71 8 The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different Chromium ASTM D5185m >11 ppm <1 brand, or type of oil. Confirm oil type. The AN level Nickel ppm ASTM D5185m >6 <1 Titanium ASTM D5185m <1 ppm Silver ppm ASTM D5185m <1 Aluminum ppm ASTM D5185m >11 3 Lead ASTM D5185m >13 <1 ppm >21 2 Copper ppm ASTM D5185m Tin ASTM D5185m >5 <1 ppm Vanadium ppm ASTM D5185m <1 Cadmium ppm ASTM D5185m <1 **ADDITIVES** method limit/base current history1 history2 9 Boron ASTM D5185m 5 ppm ASTM D5185m 5 Barium ppm 1 Molvbdenum ppm ASTM D5185m 5 4 ASTM D5185m <1 Manganese ppm Magnesium ASTM D5185m 25 33 ppm Calcium ASTM D5185m 200 2981 ppm Phosphorus ASTM D5185m 300 1205 ppm Zinc ppm ASTM D5185m 370 1263 Sulfur ASTM D5185m 2500 4075 ppm CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >24 6 Sodium ASTM D5185m >21 6 ppm Potassium ASTM D5185m >20 4 ppm **FLUID CLEANLINESS** limit/base history2 method current history1 Particles >4µm ASTM D7647 >80000 83253 Particles >6µm ASTM D7647 >5000 27236 Particles >14µm >640 **1524** ASTM D7647 Particles >21µm ASTM D7647 >160 194 >40 Particles >38µm ASTM D7647 1 Particles >71µm ASTM D7647 >10 0 **Oil Cleanliness** >23/19/16 24/22/18 ISO 4406 (c) **FLUID DEGRADATION** method limit/base current history1 history2

Acid Number (AN) mg KOH/g

ASTM D8045

Report Id: TOWNEWWC [WUSCAR] 06218754 (Generated: 07/03/2024 08:55:41) Rev: 1

0.57

Contact/Location: DON FREITAS - TOWNEWWC

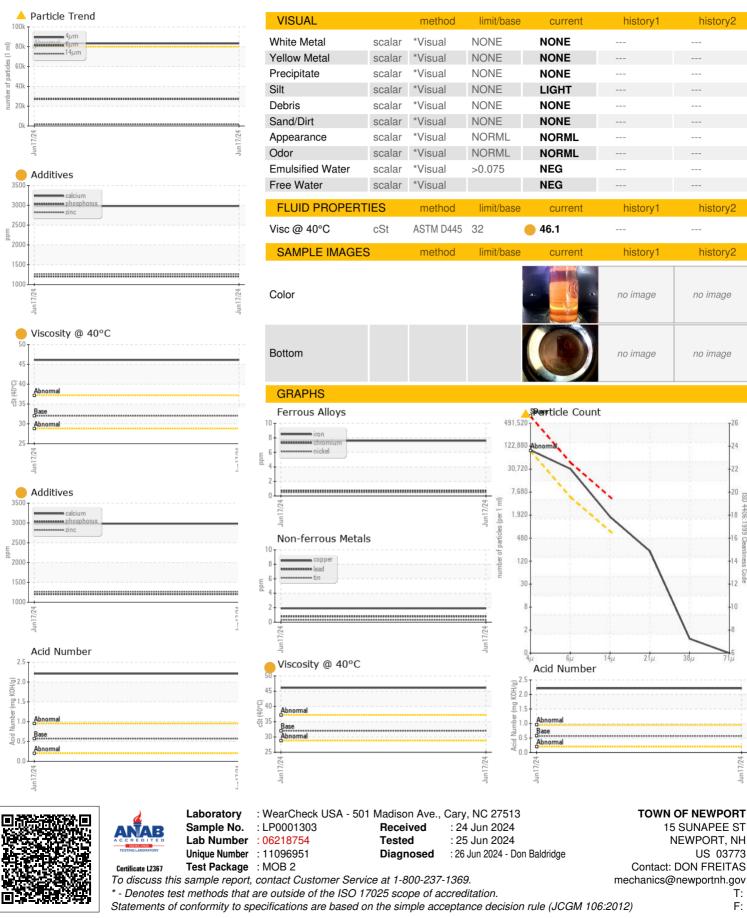
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