JOHN DEERE 5410 5410 - HELLINGER - DIESEL ENGINE

Sample No: JR0158684

Oil Type: JOHN DEERE ENGINE OIL PLUS 50 II 15W40

SAMPLE INFORMATION JR0158684 Sample Number 29 Mar 2024 Sample Date Machine Hours 0 Oil Hours 0 Oil Changed **Not Changd SEVERE** Sample Status **OIL CONDITION** Visc @ 100°C cSt **2.33** Base Number (BN) mg KOH/g **6.7** Oxidation (PA) 33 CONTAMINATION % NEG Water % **0.1** Soot % Nitration (PA) 55 % % 37 Sulfation (PA) Glycol % NEG % **20.0** Fuel Silicon ppm **2** Sodium **-<1** ppm Potassium ppm **4 WEAR METALS 6** Iron ppm Copper **-**<1 ppm Lead **0** ppm Tin ppm **0** Aluminum ppm **2** Chromium **0** ppm Molybdenum **6** ppm Nickel **0** ppm Titanium ppm 0 Silver ppm **0** Manganese **0** ppm Vanadium 0 ppm **ADDITIVES** Calcium **702** ppm 23 Magnesium ppm Zinc **346** ppm

6:28:50) Rev: 1

301

0

53

Phosphorus

Barium

Boron

ppm

ppm

ppm

JRE - FISHERSVILLE

98 EXPO ROAD FISHERSVILLE, VA US 22939

Contact: MIKE JENKINS

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Diagnosis

We advise that you check the fuel injection system. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: JAMFIS
Unique No: 10954032
Signed: Jonathan Hester
Report Date: 11 Apr 2024

Contact/Location: MIKE JENKINS - JAMFIS

