

OIL ANALYSIS REPORT

Sample Rating Trend





JOHN DEERE 624K 489

Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (--- GAL)

DIAGNOSIS Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

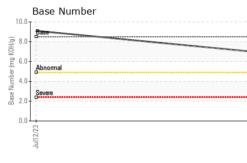
Fluid Condition

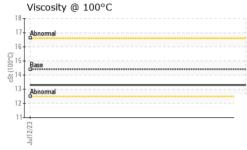
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

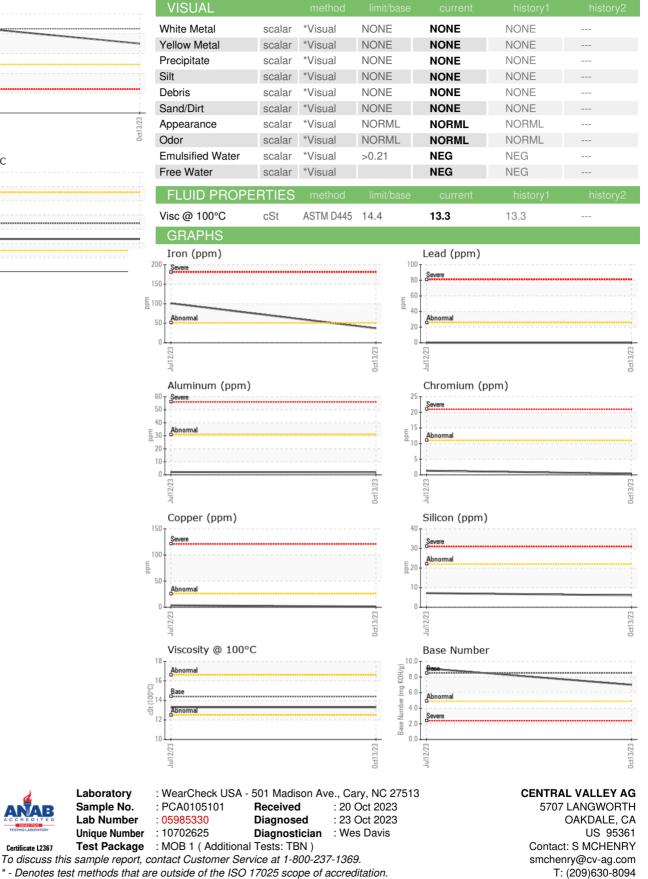
| Sample Number Client Info PCA0105101 PCA0081005 Sample Date Client Info 13 Oct 2023 12 Jul 2023 Machine Age hrs Client Info 621 500 Oil Age hrs Client Info 621 500 Oil Changed Client Info Changed Changed Sample Status nethod init/base current history CONTAMINATION Wol Method 2:1 <1.0 Glycol WO Method 2:1 <1.0 VEAR METALS method init/base current history Vickel ppm ASTM D5165 >51 37 101 Silver ppm ASTM D5165 >31 2 2 Silver ppm ASTM D5165 >31 2 Silver ppm < | SAMPLE INFOR | MATION | method | limit/base | current | history1 | history2 |
|---|---|---|---|---|--|---|--|
| Machine Age hrs Client Info 129480 123271 Oil Age Irrs Client Info 621 500 Oil Changed Client Info Changed Changed Sample Status In Initibase current History1 Glycol In WC Method >2.1 <1.0 Glycol In WC Method >2.1 <1.0 WEAR METALS method Initibase current History1 History2 Iron ppm ASIM D5185m >51 37 101 Chromium ppm ASIM D5185m >5 <1 6 Nickel ppm ASIM D5185m >3 0 0 Aluminum ppm ASIM D5185m >26 0 0 Adadium ppm ASIM D5185m >4 0 0 | Sample Number | | Client Info | | PCA0105101 | PCA0081005 | |
| Oil Age hrs Client Info 621 500 Oil Changed Client Info Changed Changed Sample Status Imit/base current history1 history2 Fuel WC Method >2.1 <1.0 Glycol WC Method >2.1 <1.0 WC Method >2.1 <1.0 WC Method >2.1 <1.0 WCAR METALS method imit/base current history1 history2 Iron ppm ASTM D5185m >51 37 <101 Silver ppm ASTM D5185m >31 2 2 Itanium ppm ASTM D5185m >26 0 0 Aluminum ppm ASTM D5185m >26 1 4 Cadmium ppm ASTM D5185m >26 0 0 | Sample Date | | Client Info | | 13 Oct 2023 | 12 Jul 2023 | |
| Oil Changed Sample Status Client Info Changed NORMAL Changed ABNORMAL | Machine Age | hrs | Client Info | | 129480 | 123271 | |
| Sample Status NORMAL ABNORMAL | Oil Age | hrs | Client Info | | 621 | 500 | |
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| Fuel WC Method >2.1 <1.0 | Sample Status | | | | NORMAL | ABNORMAL | |
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| Nickel ppm ASTM D5185m >5 <1 6 | - | | | | - | | |
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| | Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation | ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm | ASTM D5185m ASTM D5185m | 250 10 100 450 3000 1150 1350 4250 imit/base >22 >158 >20 imit/base >3 >20 | 0 0 60 <1 995 1196 1041 1353 3066 <i>current</i> 6 3 3 <i>current</i> 0.3 7.6 20.4 | 3 0 62 2 1003 1175 1058 1345 3738 history1 7 3 <1 7 3 <1 history1 0.5 8.7 21.0 | history2 history2 history2 |
| Base Number (BN) mg KOH/g ASTM D2896 8.5 7.0 9.10 | Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation | ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm | ASTM D5185m ASTM D5185m | 250 10 100 450 3000 1150 1350 4250 imit/base >22 >158 >20 imit/base >3 >20 | 0 0 60 <1 995 1196 1041 1353 3066 <i>current</i> 6 3 3 <i>current</i> 0.3 7.6 20.4 | 3 0 62 2 1003 1175 1058 1345 3738 history1 7 3 <1 7 3 <1 history1 0.5 8.7 21.0 | history2 history2 history2 |
| | Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation | ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm | ASTM D5185m ASTM D7844 *ASTM D7844 *ASTM D7844 | 250 10 100 450 3000 1150 1350 4250 imit/base >22 >158 >20 imit/base >3 >20 >30 | 0 0 60 <1 995 1196 1041 1353 3066 <i>current</i> 6 3 3 0 6 3 3 <i>current</i> 0.3 7.6 20.4 <i>current</i> | 3 0 62 2 1003 1175 1058 1345 3738 history1 7 3 <1 7 3 <1 0.5 8.7 21.0 history1 | history2 history2 history2 history2 |



OIL ANALYSIS REPORT







Report Id: CENOAK [WUSCAR] 05985330 (Generated: 10/23/2023 11:06:04) Rev: 1

Certificate L2367

Laboratory

Sample No.

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

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