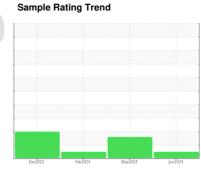


OIL ANALYSIS REPORT







Machine Id **FORD 96** Component

Diesel Engine

{not provided} (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

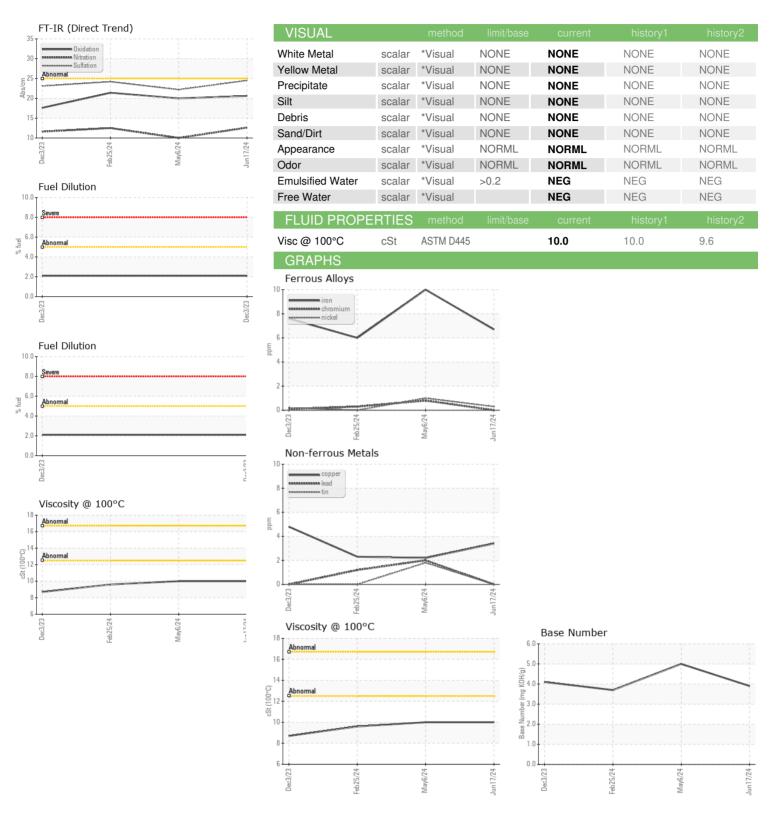
Fluid Condition

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

		Dec20Z	3 Feb 2024	May2024 Ju	in2024	
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
	VIATION		IIIIIIIIIII		•	
Sample Number		Client Info		PCA0127416 17 Jun 2024	PCA0082979	PCA0082994 25 Feb 2024
Sample Date Machine Age	mls	Client Info		0	06 May 2024 0	25 Feb 2024 0
Oil Age	mls	Client Info		0	0	0
Oil Changed	11113	Client Info		N/A	N/A	N/A
Sample Status		Oliciti iiilo		NORMAL	ABNORMAL	NORMAL
CONTAMINAT	ION	method	limit/base			
	ION		limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	7	10	6
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>2	<1	1	0
Titanium	ppm	ASTM D5185m	>2	0	<1	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	3	3	4
Lead	ppm	ASTM D5185m	>40	0	2	1
Copper	ppm	ASTM D5185m	>330	3	2	2
Tin	ppm	ASTM D5185m	>15	0	2	0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	2	0
ADDITIVES		method	limit/base	current	history1	history2
ADDITIVES Boron	ppm	method ASTM D5185m	limit/base	current 34	history1	history2 21
	ppm		limit/base			
Boron	• • •	ASTM D5185m	limit/base	34	23	21
Boron Barium	ppm	ASTM D5185m ASTM D5185m	limit/base	34 0	23 0	21
Boron Barium Molybdenum	ppm	ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	34 0 87	23 0 163	21 0 216
Boron Barium Molybdenum Manganese	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	34 0 87 2	23 0 163 2	21 0 216 2
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	34 0 87 2 514 1128 695	23 0 163 2 506	21 0 216 2 476 1193 624
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	34 0 87 2 514 1128 695 794	23 0 163 2 506 1255 702 831	21 0 216 2 476 1193 624 763
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	34 0 87 2 514 1128 695	23 0 163 2 506 1255 702	21 0 216 2 476 1193 624
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	34 0 87 2 514 1128 695 794	23 0 163 2 506 1255 702 831	21 0 216 2 476 1193 624 763
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		34 0 87 2 514 1128 695 794 3101	23 0 163 2 506 1255 702 831 2839	21 0 216 2 476 1193 624 763 1902
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base	34 0 87 2 514 1128 695 794 3101 current	23 0 163 2 506 1255 702 831 2839 history1	21 0 216 2 476 1193 624 763 1902 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base	34 0 87 2 514 1128 695 794 3101 current	23 0 163 2 506 1255 702 831 2839 history1	21 0 216 2 476 1193 624 763 1902 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium	ppm	ASTM D5185m	limit/base >25	34 0 87 2 514 1128 695 794 3101 current 17	23 0 163 2 506 1255 702 831 2839 history1 25 3	21 0 216 2 476 1193 624 763 1902 history2 15
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium	ppm	ASTM D5185m	limit/base >25 >20	34 0 87 2 514 1128 695 794 3101 current 17 4	23 0 163 2 506 1255 702 831 2839 history1 25 3 2	21 0 216 2 476 1193 624 763 1902 history2 15 4
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium Fuel	ppm	ASTM D5185m	limit/base >25 >20 >5	34 0 87 2 514 1128 695 794 3101 current 17 4 3 <1.0	23 0 163 2 506 1255 702 831 2839 history1 ▲ 25 3 2 <1.0	21 0 216 2 476 1193 624 763 1902 history2 15 4 3 <1.0
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium Fuel INFRA-RED	ppm	ASTM D5185m	limit/base >25 >20 >5 limit/base	34 0 87 2 514 1128 695 794 3101 current 17 4 3 <1.0	23 0 163 2 506 1255 702 831 2839 history1 25 3 2 <1.0	21 0 216 2 476 1193 624 763 1902 history2 15 4 3 <1.0
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium Fuel INFRA-RED Soot %	ppm	ASTM D5185m	limit/base >25 >20 >5 limit/base >3	34 0 87 2 514 1128 695 794 3101 current 17 4 3 <1.0 current 0.1	23 0 163 2 506 1255 702 831 2839 history1 25 3 2 <1.0 history1 0.5	21 0 216 2 476 1193 624 763 1902 history2 15 4 3 <1.0 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration	ppm	ASTM D5185m ASTM D7844 *ASTM D7624 *ASTM D7624	limit/base >25 >20 >5 limit/base >3 >20	34 0 87 2 514 1128 695 794 3101 current 17 4 3 <1.0 current 0.1 12.6	23 0 163 2 506 1255 702 831 2839 history1 ▲ 25 3 2 <1.0 history1 0.5 10.0	21 0 216 2 476 1193 624 763 1902 history2 15 4 3 <1.0 history2 0 12.5
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration Sulfation FLUID DEGRAE	ppm	ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7844 *ASTM D7844 *ASTM D7844 *ASTM D7844 *ASTM D7844 *ASTM D7844	limit/base >25 >20 >5 limit/base >3 >20 >30 limit/base	34 0 87 2 514 1128 695 794 3101 current 17 4 3 <1.0 current 0.1 12.6 24.5 current	23 0 163 2 506 1255 702 831 2839 history1 ▲ 25 3 2 <1.0 history1 0.5 10.0 22.2 history1	21 0 216 2 476 1193 624 763 1902 history2 15 4 3 <1.0 history2 0 12.5 24.2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration Sulfation	ppm	ASTM D5185m ASTM D7844 *ASTM D7624 *ASTM D7624	limit/base >25	34 0 87 2 514 1128 695 794 3101 current 17 4 3 <1.0 current 0.1 12.6 24.5	23 0 163 2 506 1255 702 831 2839 history1 25 3 2 <1.0 history1 0.5 10.0 22.2	21 0 216 2 476 1193 624 763 1902 history2 15 4 3 <1.0 history2 0 12.5 24.2



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No.

Lab Number : 06212809 Unique Number : 11085673

: PCA0127416

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

: 17 Jun 2024 : 19 Jun 2024 : 19 Jun 2024 - Angela Borella

Test Package: FLEET (Additional Tests: FuelDilution, PercentFuel) 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)

NORTHFIELD LINES

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