

OIL ANALYSIS REPORT

Sample Rating Trend



FORD 64

Component Diesel Engine Fluid 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.

			Aug2022	Aug2023		
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RW0004519	RW0003727	
Sample Date		Client Info		31 Aug 2023	12 Aug 2022	
Machine Age	mls	Client Info		262071	257252	
Oil Age	mls	Client Info		4829	4750	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINATION	J .	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	26	22	
Chromium	ppm	ASTM D5185m	>20	1	1	
Nickel	ppm	ASTM D5185m	>4	2	<1	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>20	2	3	
Lead	ppm	ASTM D5185m	>40	5	4	
Copper	ppm	ASTM D5185m	>330	1	1	
Tin	ppm	ASTM D5185m	>15	<1	<1	
Vanadium	ppm	ASTM D5185m		0	<1	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	4	11	
Barium	ppm	ASTM D5185m	10	0	0	
Molybdenum	ppm	ASTM D5185m	100	71	66	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	nnm	ACTM DE10E	450	1005	000	
Calcium	ppm	ASTM D5185m	430	1000	926	
	ppm	ASTM D5185m ASTM D5185m	3000	1147	926 1158	
Phosphorus	ppm	ASTM D5185m	3000	1147	1158	
Phosphorus Zinc	ppm ppm	ASTM D5185m ASTM D5185m	3000 1150	1147 1117	1158 1083	
Phosphorus Zinc	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	3000 1150 1350	1147 1117 1330	1158 1083 1300	
Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method	3000 1150 1350 4250	1147 1117 1330 3544	1158 1083 1300 3155	
Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method	3000 1150 1350 4250 limit/base >25	1147 1117 1330 3544	1158 1083 1300 3155 history1	
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	3000 1150 1350 4250 limit/base >25 >158	1147 1117 1330 3544 current 7	1158 1083 1300 3155 history1 4	 history2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	3000 1150 1350 4250 limit/base >25 >158	1147 1117 1330 3544 current 7 11	1158 1083 1300 3155 history1 4 8	 history2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m	3000 1150 1350 4250 limit/base >25 >158 >20	1147 1117 1330 3544 current 7 11 3	1158 1083 1300 3155 history1 4 8 1	 history2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot %	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	3000 1150 1350 4250 limit/base >25 >158 >20 limit/base >3	1147 1117 1330 3544 current 7 11 3 current	1158 1083 1300 3155 history1 4 8 1 1 history1	 history2 history2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	3000 1150 1350 4250 limit/base >25 >158 >20 limit/base >3	1147 1117 1330 3544 current 7 11 3 current 0.1	1158 1083 1300 3155 history1 4 8 1 1 history1 0.2	 history2 history2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm ppm ppm ppm ppm ppm ppm ppm pm spm kbs/.1mm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *ASTM D7844 *ASTM D7824	3000 1150 1350 4250 limit/base >25 >158 >20 limit/base >3 >20	1147 1117 1330 3544 current 7 11 3 current 0.1 7.4	1158 1083 1300 3155 history1 4 8 1 history1 0.2 7.9	 history2 history2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm ppm ppm ppm ppm ppm ppm pm spm kbs/.1mm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7844 *ASTM D7844 *ASTM D7844	3000 1150 1350 4250 Iimit/base >25 >158 >20 Iimit/base >3 >20 >30 Iimit/base	1147 1117 1330 3544 current 7 11 3 current 0.1 7.4 18.9	1158 1083 1300 3155 history1 4 8 1 history1 0.2 7.9 19.9	 history2 history2 history2



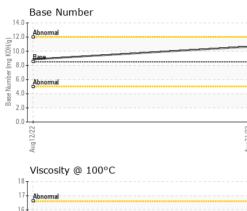
cSt (100°C)

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Aug12/22

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Certificate L2367

Contact/Location: DAN HALLACK KARL BUTCHER - HALHAR