

OIL ANALYSIS REPORT



Machine Id **DBXX553**

Component Gasoline Engine

Fluid

BMW TWINPOWER TURBO 0W30 (--- GAL)

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 INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0947990		
Sample Date		Client Info		04 Jul 2024		
Machine Age	kms	Client Info		5640		
Oil Age	kms	Client Info		3469		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	N	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>150	6		
Chromium	ppm	ASTM D5185(m)	>20	0		
Nickel	ppm	ASTM D5185(m)	>5	<1		
Titanium	ppm	ASTM D5185(m)		12		
Silver	ppm	ASTM D5185(m)	>2	0		
Aluminum	ppm	ASTM D5185(m)	>40	3		
Lead	ppm	ASTM D5185(m)	>50	0		
Copper	ppm	ASTM D5185(m)	>155	4		
Tin	ppm	ASTM D5185(m)	>10	0		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		<1		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		94		
Barium	ppm	ASTM D5185(m)		<1		
Molybdenum	ppm	ASTM D5185(m)		57		
Manganese	ppm	ASTM D5185(m)		1		
Magnesium						
Calcium	ppm	ASTM D5185(m)		532		
Phosphorus	ppm	ASTM D5185(m) ASTM D5185(m)		532 1355		
		()				
Zinc	ppm	ASTM D5185(m)		1355		
Zinc Sulfur	ppm ppm	ASTM D5185(m) ASTM D5185(m)		1355 637		
	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		1355 637 770		
Sulfur	ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	1355 637 770 1734		
Sulfur Lithium	ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base >30	1355 637 770 1734 <1		
Sulfur Lithium CONTAMINANTS	ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) method		1355 637 770 1734 <1 current	 history1	 history2
Sulfur Lithium CONTAMINANTS Silicon	ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>30	1355 637 770 1734 <1 current 4	 history1 	 history2
Sulfur Lithium CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>30 >400	1355 637 770 1734 <1 current 4 2	 history1 	 history2
Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>30 >400 >20	1355 637 770 1734 <1 current 4 2 2	 history1 	 history2
Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium INFRA-RED	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>30 >400 >20	1355 637 770 1734 <1 current 4 2 2 2 current	 history1 history1	 history2 history2



3

30

25 Abs/cm

10

10.0

6.

15

14

CSt (100-C)

8 u|4/74

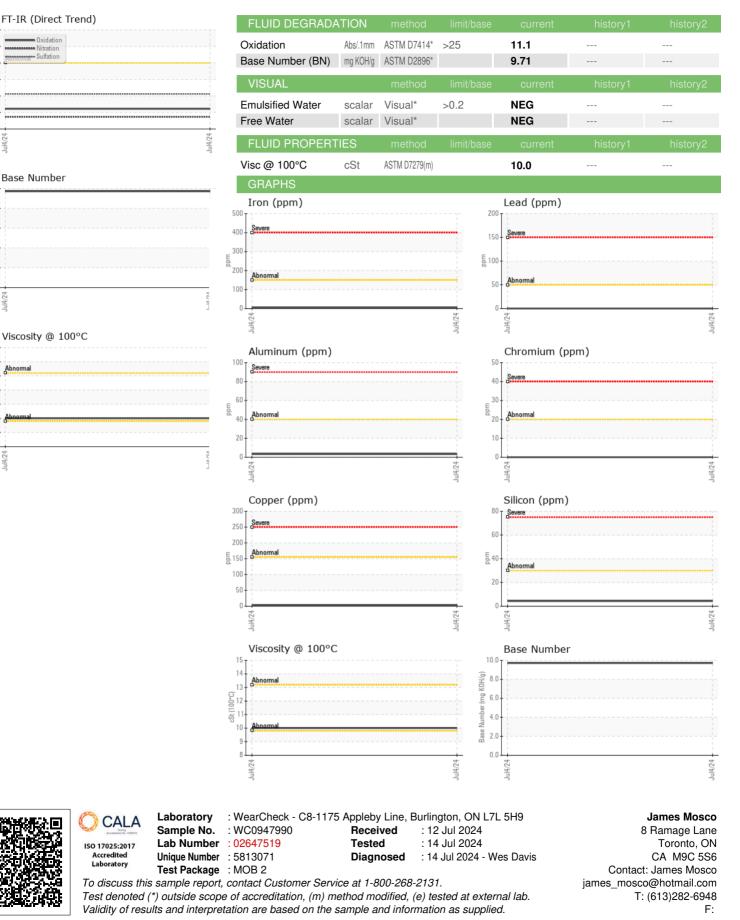
Abno 13

(mg KOH/g)

mbe 4.

Base 2 (

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Contact/Location: James Mosco - MOSTOR Page 2 of 2