

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

TOYOTA 2012 Toyota Yaris Sedan Base

Gasoline Engine

HPL PC 5W30-Q (--- LTR)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

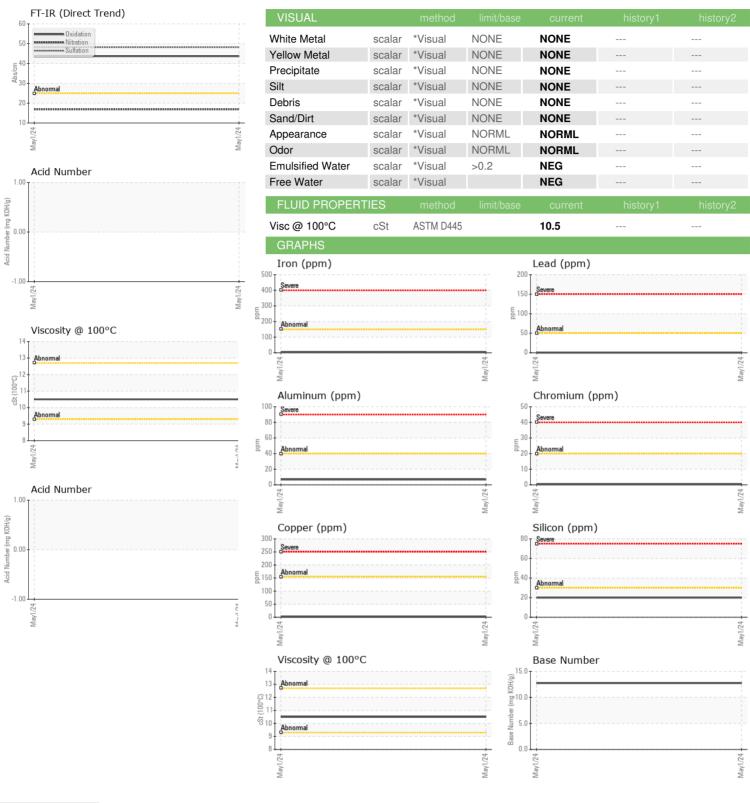
Fluid Condition

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

			1	May2024		
SAMPLE INFORM	/ATION	method	limit/base	current	history1	history2
	717 (1101)		mmbasc		,	,
Sample Number		Client Info		HPL0005092		
Sample Date		Client Info		01 May 2024		
Machine Age Oil Age		Client Info		148263 5603		
Oil Changed		Client Info		Not Changd		
Sample Status		Ciletit IIIIO		NORMAL		
CONTAMINATIO	N.	method	limit/base	current		history2
Fuel	V	WC Method	>4.0	<1.0	history1	HIStory2
-uei Water			>4.0	NEG		
Glycol		WC Method	>0.2	NEG		
				NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>150	5		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>5	<1		
Γitanium	ppm	ASTM D5185m		2		
Silver	ppm	ASTM D5185m	>2	<1		
Aluminum	ppm	ASTM D5185m	>40	7		
_ead	ppm	ASTM D5185m	>50	<1		
Copper	ppm	ASTM D5185m	>155	2		
Γin 	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		7		
Barium	ppm	ASTM D5185m		<1		
Molybdenum	ppm	ASTM D5185m		510		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		1793		
Calcium	ppm	ASTM D5185m		1226		
Phosphorus	ppm	ASTM D5185m		786		
Zinc	ppm	ASTM D5185m ASTM D5185m		883		
Sulfur	ppm			7205		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	20		
Sodium	ppm	ASTM D5185m	>400	17		
Potassium	ppm	ASTM D5185m	>20	2		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1		
Vitration	Abs/cm	*ASTM D7624	>20	16.9		
Sulfation	Abs/.1mm	*ASTM D7415	>30	48.2		
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	43.7		



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Certificate 12367

Laboratory Sample No.

Unique Number : 11032060

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : HPL0005092 Lab Number : 06180734

Test Package : MOB 2 (Additional Tests: TBN)

Received **Tested** Diagnosed

: 15 May 2024 : 18 May 2024

: 18 May 2024 - Jonathan Hester

WARREN BUT 16970 MARYGOLD AVE 64 FONTANA, CA US 92335

Contact: WARREN BUT WARRENBUT@GMAIL.COM

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)

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