OIL ANALYSIS REPORT

WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

Machine Id

TORO 30809 SIDEWINDER 2 (S/N 404766074)

Left Gasoline Engine

TRC PRO-SPEC III SAF 10W30 (4 QTS)

ECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History
Resample at the next service interval to monitor.	Sample Number		Client Info		TR06235151		
	Sample Date		Client Info		10 Jul 2024		
	Machine Age	hrs	Client Info		1190		
	Oil Age	hrs	Client Info		310		
	Filter Age	hrs	Client Info		310		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Not Changd		
	Sample Status				NORMAL		
EAR	Iron	ppm	ASTM D5185m	<150	20		
LAN	Chromium		ASTM D5185m		0		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1		
	Titanium	ppm	ASTM D5185m	>0			
	Silver	ppm	ASTM D5185m	. 0	<1 0		
		ppm					
	Aluminum	ppm	ASTM D5185m		6		
	Lead	ppm	ASTM D5185m		24		
	Copper	ppm	ASTM D5185m		6		
	Tin	ppm	ASTM D5185m	>10	<1		
	Vanadium	ppm	ASTM D5185m	NONE	0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
ONTAMINATION	Silicon	ppm	ASTM D5185m	>30	12		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	5		
	Fuel		WC Method	>4.0	<1.0		
	Water		WC Method	>0.2	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844		0.1		
	Nitration	Abs/cm	*ASTM D7624	>20	18.1		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	35.5		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.2	NEG		
LUD CONDITION	Cadius		ACTM DE40E	. 400	00		
LUID CONDITION	Sodium	ppm	ASTM D5185m	>400	22		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m		9		
	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		105		
	Manganese	ppm	ASTM D5185m		0		
	Magnesium	ppm	ASTM D5185m	4500	64		
	Calcium	ppm	ASTM D5185m	4500	3749		
	Phosphorus	ppm	ASTM D5185m	4.400	861		
	Zinc	ppm	ASTM D5185m	1400	1082		
	Sulfur	ppm	ASTM D5185m	0.5	4733		
	Oxidation	Abs/.1mm	*ASTM D7414		35.7 6.89		
	Base Number (BN)						





Certificate L2367

Laboratory Sample No.

: TR06235151 Lab Number : 06235151 Unique Number : 11123985 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 12 Jul 2024 **Tested** : 15 Jul 2024

: 15 Jul 2024 - Sean Felton Diagnosed

To discuss this sample report, contact Customer Service at 1-800-827-0711.

* - 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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