OIL ANALYSIS REPORT

WEAR CONTAMINATION FLUID CONDITION **NORMAL NORMAL NORMAL**

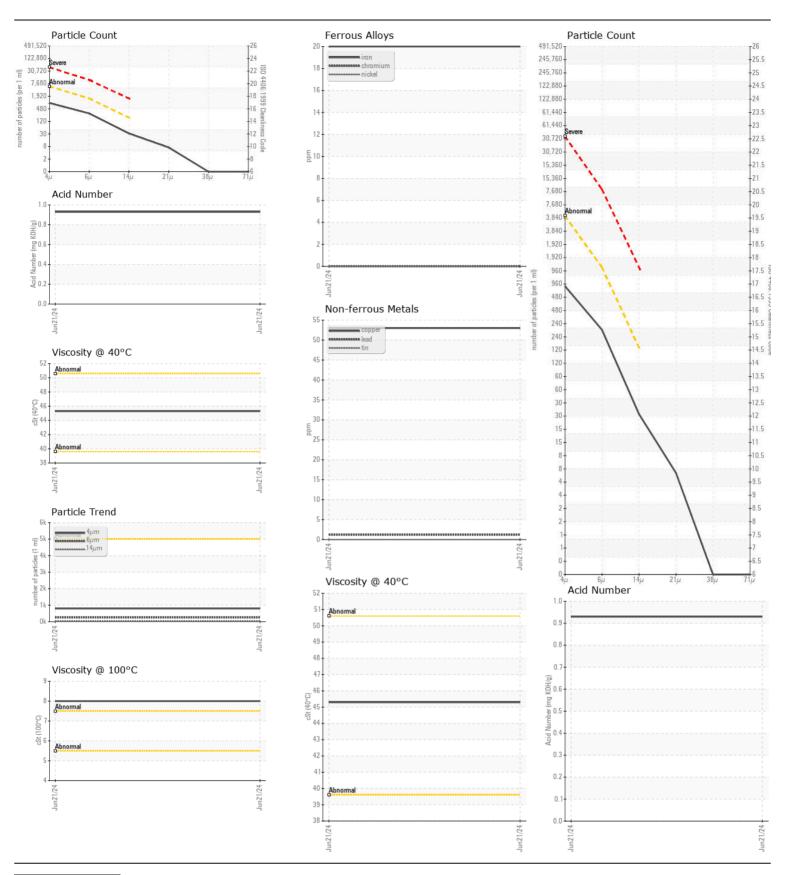
Machine Id

TORO 30809 3500-G1 (S/N 402666814)

Hydraulic System

TORO PREMIUM ALL SEASON & TRC UTF RED & GREEN (13 LTR)

Test	DECOMMENDATION	T 4	11014	NA - Ale - al	Liber St / Allere	(Li Barania	LUstano
Sample Date Client Info 21 Jun 2024	RECOMMENDATION		UOM		Limit/Abn		History I	
Machine Age Into Client Into 129	Resample at the next service interval to monitor.							
Oil Age hrs Client Into 128								
Filter Age Priss Client Info Client Info Client Info Changed C		•	hrs					
Oil Changed Cilent Info Changed Change		Oil Age	hrs	Client Info		1289		
Filter Changed Sample Status Client Info Changed Client Info C		Filter Age	hrs	Client Info		40		
VEAR		Oil Changed		Client Info		Not Changd		
VEAR		Filter Changed		Client Info		Changed		
Iron		_				_		
All component wear rates are normal. Chromium ppm ASIN 0585m >10 0								
All component wear rates are normal. Nickel pym ASTM 05186m >10 0	WEAR	Iron	ppm	ASTM D5185m	>20	20		
Nickel ppm ASTM D5165m > 10 0		Chromium	ppm	ASTM D5185m	>10	0		
Titanium ppm ASTM D518m 0	All component wear rates are normal.	Nickel				0		
Silver ppm ASTM D5185m <1				ASTM D5185m		-		
Aluminum ppm ASTM 05185s >10 2						-		
Lead					\10			
Copper								
Tin								
Vanadium ppm ASTM D5185m NONE NONE								
White Metal Scalar Visual NONE NON					>10			
Yellow Metal Scalar Visual NONE NO						-		
Silicon ppm ASTM D5185m >20 8					_	_		
Potassium ppm ASTM D5185m ≥20 3		Yellow Metal	scalar	*Visual	NONE	NONE		
Potassium ppm ASTM D5185m ≥20 3								
Water WC Method >0.1 NEG	CONTAMINATION		ppm					
Particles >4µm ASTM D7647 >5000 797 Particles >6µm ASTM D7647 >1300 254 Particles >34µm ASTM D7647 >1300 254 Particles >34µm ASTM D7647 >160 28 Particles >32µm ASTM D7647 >40 6 Particles >38µm ASTM D7647 >40 6 Particles >38µm ASTM D7647 >40 6 Particles >38µm ASTM D7647 >40 0 Particles >71µm ASTM D7647 >40 0 Particles >38µm ASTM D7647 >40 0 Particles >40µm ASTM D5185m 2143 Particles >40µm ASTM D5185m 2143 Particles >40µm ASTM D5185m 1220 Particles >40µm ASTM D5185m 1355 Particles		Potassium	ppm	ASTM D5185m	>20	3		
Particles >6µm				WC Method	>0.1	NEG		
Particles >14 m		Particles >4µm		ASTM D7647	>5000	797		
Particles >21 \(\mu\)		Particles >6µm		ASTM D7647	>1300	254		
Particles >21 \(\mu\)		Particles >14µm		ASTM D7647	>160	28		
Particles > 38µm						6		
Particles > 71 m		'						
Oil Cleanliness ISO 4406 (c) 1917/14 17/15/12								
Silt scalar *Visual NONE NONE Sand/Dirt Scalar *Visual NORE Scalar *Visual NORE Scalar *Visual NORE Scalar *Visual NORML Scalar						-		
Debris Scalar *Visual NONE NONE NONE Sand/Dirt Scalar *Visual NONE NORML N			coalar					
Sand/Dirt scalar *Visual NONE NONE NORML Appearance scalar *Visual NORML NOR								
Appearance								
Codor Scalar *Visual NORML NORML NORML Emulsified Water Scalar *Visual >0.1 NEG						_		
Emulsified Water scalar *Visual >0.1 NEG		• •						
Sodium ppm ASTM D5185m 4								
Boron ppm ASTM D5185m 60 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 7 Calcium ppm ASTM D5185m 2143 Phosphorus ppm ASTM D5185m 1220 Zinc ppm ASTM D5185m 1355 Sulfur ppm ASTM D5185m 5350 Acid Number (AN) mg KOH/g ASTM D8045 0.93 Visc @ 40°C CSt ASTM D445 45.3 Visc @ 100°C CSt ASTM D445 8.0		Emulsified Water	scalar	*Visual	>0.1	NEG		
Boron ppm ASTM D5185m 60 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 7 Calcium ppm ASTM D5185m 2143 Phosphorus ppm ASTM D5185m 1220 Zinc ppm ASTM D5185m 1355 Sulfur ppm ASTM D5185m 5350 Acid Number (AN) mg KOH/g ASTM D8045 0.93 Visc @ 40°C CSt ASTM D445 45.3 Visc @ 100°C CSt ASTM D445 8.0	ELUID CONDITION	C = eli		ACTM DE10E				
Barium ppm ASTM D5185m 0	FLUID CONDITION							
Suitable for further service. Molybdenum ppm ASTM D5185m 0 Manganese ppm AsTM D5185m <1 Magnesium ppm AsTM D5185m 7 Calcium ppm AsTM D5185m 2143 Phosphorus ppm AsTM D5185m 1220 Zinc ppm AsTM D5185m 1355 Sulfur ppm AsTM D5185m 5350 Acid Number (AN) mg KOH/g ASTM D8045 0.93 Visc @ 40°C cSt ASTM D445 45.3 Visc @ 100°C cSt ASTM D445 8.0	·		ppm					
Magnesium ppm ASTM D5185m <1 Magnesium ppm ASTM D5185m 7 Calcium ppm ASTM D5185m 2143 Phosphorus ppm ASTM D5185m 1220 Zinc ppm ASTM D5185m 1355 Sulfur ppm ASTM D5185m 5350 Sulfur ppm ASTM D5185m 5350 Visc @ 40°C cSt ASTM D445 45.3 Visc @ 100°C cSt ASTM D445 8.0								
Magnesium ppm ASTM D5185m 7 Calcium ppm ASTM D5185m 2143 Phosphorus ppm ASTM D5185m 1220 Zinc ppm ASTM D5185m 1355 Sulfur ppm ASTM D5185m 5350 Acid Number (AN) mg KOH/g ASTM D8045 0.93 Visc @ 40°C cSt ASTM D445 45.3 Visc @ 100°C cSt ASTM D445 8.0		•	ppm					
Calcium ppm ASTM D5185m 2143 Phosphorus ppm ASTM D5185m 1220 Zinc ppm ASTM D5185m 1355 Sulfur ppm ASTM D5185m 5350 Acid Number (AN) mg KOH/g ASTM D8045 0.93 Visc @ 40°C cSt ASTM D445 45.3 Visc @ 100°C cSt ASTM D445 8.0			ppm					
Phosphorus ppm ASTM D5185m 1220 Zinc ppm ASTM D5185m 1355 Sulfur ppm ASTM D5185m 5350 Acid Number (AN) mg KOH/g ASTM D8045 0.93 Visc @ 40°C cSt ASTM D445 45.3 Visc @ 100°C cSt ASTM D445 8.0			ppm	ASTM D5185m		7		
Zinc ppm ASTM D5185m 1355 Sulfur ppm ASTM D5185m 5350 Acid Number (AN) mg KOH/g ASTM D8045 0.93 Visc @ 40°C cSt ASTM D445 45.3 Visc @ 100°C cSt ASTM D445 8.0		Calcium	ppm	ASTM D5185m		2143		
Sulfur ppm ASTM D5185m 5350 Acid Number (AN) mg KOH/g ASTM D8045 0.93 Visc @ 40°C cSt ASTM D445 45.3 Visc @ 100°C cSt ASTM D445 8.0		Phosphorus	ppm	ASTM D5185m		1220		
Sulfur ppm ASTM D5185m 5350 Acid Number (AN) mg KOH/g ASTM D8045 0.93 Visc @ 40°C cSt ASTM D445 45.3 Visc @ 100°C cSt ASTM D445 8.0		Zinc	ppm	ASTM D5185m		1355		
Acid Number (AN) mg KOH/g ASTM D8045 0.93 Visc @ 40°C cSt ASTM D445 45.3 Visc @ 100°C cSt ASTM D445 8.0		Sulfur		ASTM D5185m		5350		
Visc @ 40°C cSt ASTM D445 45.3 Visc @ 100°C cSt ASTM D445 8.0								
Visc @ 100°C cSt ASTM D445 8.0		. ,						
		_						
		Floodity Illuon (VI)	Odalo	. IOTHI DELI				





Laboratory Sample No.

: TR06221162 Lab Number : 06221162

Unique Number: 11099359

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 26 Jun 2024 **Tested** : 27 Jun 2024

: 27 Jun 2024 - Don Baldridge Diagnosed

KENNEDY GOLF COURSE 10500 E HAMPDEN AVE DENVER, CO US 80014

Contact: JAMES WEST

Test Package : MOB 2 (Additional Tests: KV100, VI) Certificate L2367 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) T: F: