

NORMAL WEAR NORMAL CONTAMINATION **FLUID CONDITION** NORMAL

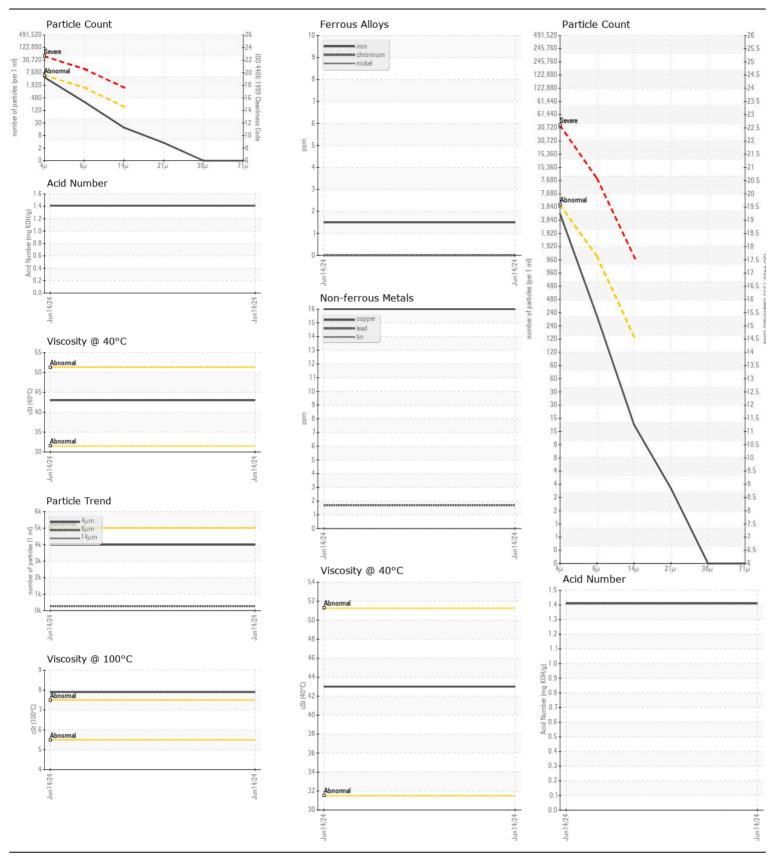
OIL ANALYSIS REPORT

Machine Id **KALMAR RT022 00009** Component Hydraulic System **UNIVERSAL TRACTOR TRANS 10W (--- QTS)**

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RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR06221163		
	Sample Date		Client Info		14 Jun 2024		
	Machine Age	hrs	Client Info		632		
	Oil Age	hrs	Client Info		632		
	Filter Age	hrs	Client Info		632		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Not Changd		
	Sample Status				NORMAL		
VEAR	Iron	ppm	ASTM D5185m	>20	2		
	Chromium	ppm	ASTM D5185m	>10	0		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>10	0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>10	<1		
	Lead	ppm	ASTM D5185m	>10	2		
	Copper	ppm	ASTM D5185m		16		
	Tin	ppm	ASTM D5185m		0		
	Vanadium	ppm	ASTM D5185m	210	0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal		*Visual	NONE	NONE		
		scalar	visuai	NONE	NONE		
CONTAMINATION The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.	Silicon	ppm	ASTM D5185m	>20	6		
	Potassium	ppm	ASTM D5185m		4		
	Water	ррп	WC Method	>0.1	NEG		
	Particles >4µm		ASTM D7647				
					3990		
	Particles >6µm		ASTM D7647		273		
	Particles >14µm		ASTM D7647		16		
	Particles >21µm		ASTM D7647		3		
	Particles >38µm		ASTM D7647		0		
	Particles >71µm		ASTM D7647		0		
	Oil Cleanliness		ISO 4406 (c)		19/15/11		
	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	>0.1	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		3		
	Boron	ppm	ASTM D5185m		2		
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		0		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		120		
	Calcium	ppm	ASTM D5185m		3006		
	Phosphorus	ppm	ASTM D5185m		1185		
	Zinc	ppm	ASTM D5185m		1316		
	Sulfur	ppm	ASTM D5185m		5234		
	Acid Number (AN)	mg KOH/g	ASTM D8045		1.41		
	Visc @ 40°C	cSt	ASTM D0045		43.0		
	Visc @ 40 C Visc @ 100°C	cSt	ASTM D445		7.9		
	Visc @ 100 C		ASTN D2270		1.9	-	

Viscosity Index (VI) Scale ASTM D2270

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WIE - WESTERN INDUSTRIAL EQUIPMENT Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. Received 10761 N WILSON RD : TR06221163 : 26 Jun 2024 Ø Lab Number : 06221163 Tested : 27 Jun 2024 LAKE CITY, MI : 27 Jun 2024 - Don Baldridge US 49651 Unique Number : 11099360 Diagnosed Test Package : MOB 2 (Additional Tests: KV100, VI) Contact: JOHN HIGGINS 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. T: F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: JOHN HIGGINS - WIELAK Page 2 of 2