OIL ANALYSIS REPORT

WEAR CONTAMINATION FLUID CONDITION

NORMAL

ABNORMAL

NORMAL

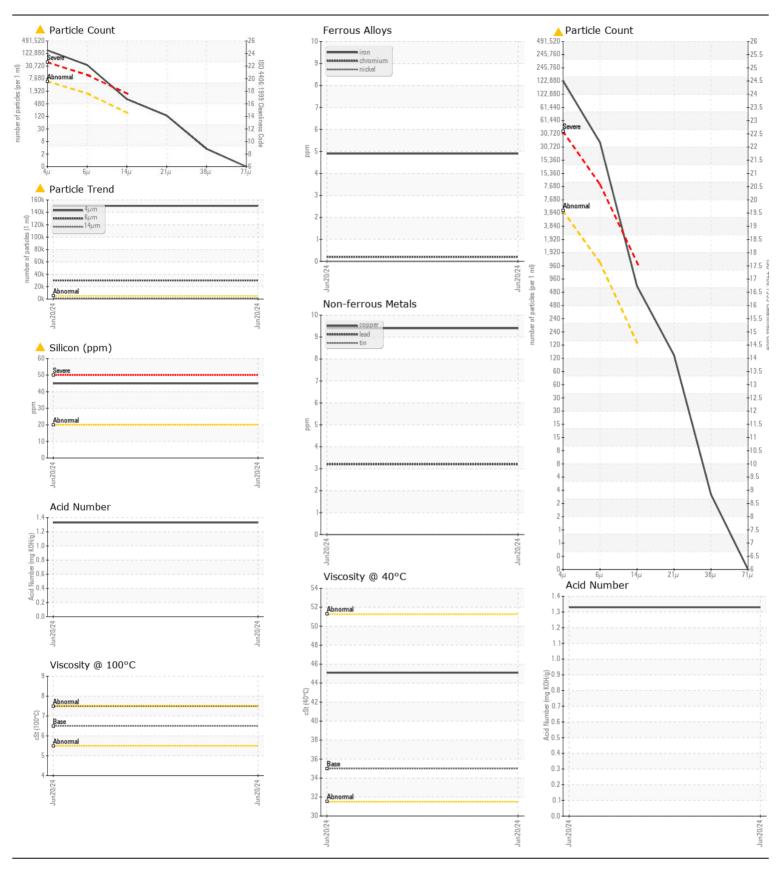
Machine Id

IH M10A 01 (S/N 2530)

Hydraulic System

SAE 10W (--- GAL)

OAL TOW (GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		TR06221164		
We recommend you service the filters on this component. Resample at the next service interval to monitor.	Sample Date		Client Info		20 Jun 2024		
	Machine Age	hrs	Client Info		475		
	Oil Age	hrs	Client Info		475		
	Filter Age	hrs	Client Info		475		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Not Changd		
	Sample Status				ABNORMAL		
WEAR	Iron	ppm	ASTM D5185m	>20	5		
	Chromium	ppm	ASTM D5185m	>10	<1		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>10	0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		<1		
	Aluminum	ppm	ASTM D5185m	>10	<1		
	Lead	ppm	ASTM D5185m		3		
	Copper	ppm	ASTM D5185m		9		
	Tin	ppm	ASTM D5185m		0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	4 5		
	Potassium	ppm	ASTM D5185m	>20	2		
There is a high amount of particulates present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material.	Water		WC Method	>0.1	NEG		
	Particles >4µm		ASTM D7647	>5000	150429		
	Particles >6µm		ASTM D7647	>1300	30053		
	Particles >14µm		ASTM D7647	>160	A 701		
	Particles >21µm		ASTM D7647	>40	115		
	Particles >38µm		ASTM D7647	>10	3		
	Particles >71μm		ASTM D7647		0		
	Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u> </u>		
	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		4		
	Boron	ppm	ASTM D5185m		5		
The AN level is acceptable for this fluid. The condition of the oil is	Barium	ppm	ASTM D5185m		2		
suitable for further service.	Molybdenum	ppm	ASTM D5185m		5		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		281		
	Calcium	ppm	ASTM D5185m		1823		
	Phosphorus	ppm	ASTM D5185m		955		
	Zinc	ppm	ASTM D5185m		1093		
	Sulfur	ppm	ASTM D5185m		4128		
	Acid Number (AN)	mg KOH/g	ASTM D8045		1.33		
	Visc @ 40°C	cSt	ASTM D445	35.0	45.1		
	Visc @ 100°C	cSt	ASTM D445		7.5		
	Viscosity Index (VI)		ASTM D2270		131		
	Tiodoniy indox (VI)	Julio					





Laboratory Sample No. Unique Number : 11099361

: TR06221164 Lab Number : 06221164

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

Tested : 27 Jun 2024 Diagnosed : 27 Jun 2024 - Don Baldridge

WIE - WESTERN INDUSTRIAL EQUIPMENT 10761 N WILSON RD

LAKE CITY, MI US 49651 Contact: JOHN HIGGINS

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)

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