OIL ANALYSIS REPORT

WEAR CONTAMINATION **FLUID CONDITION**

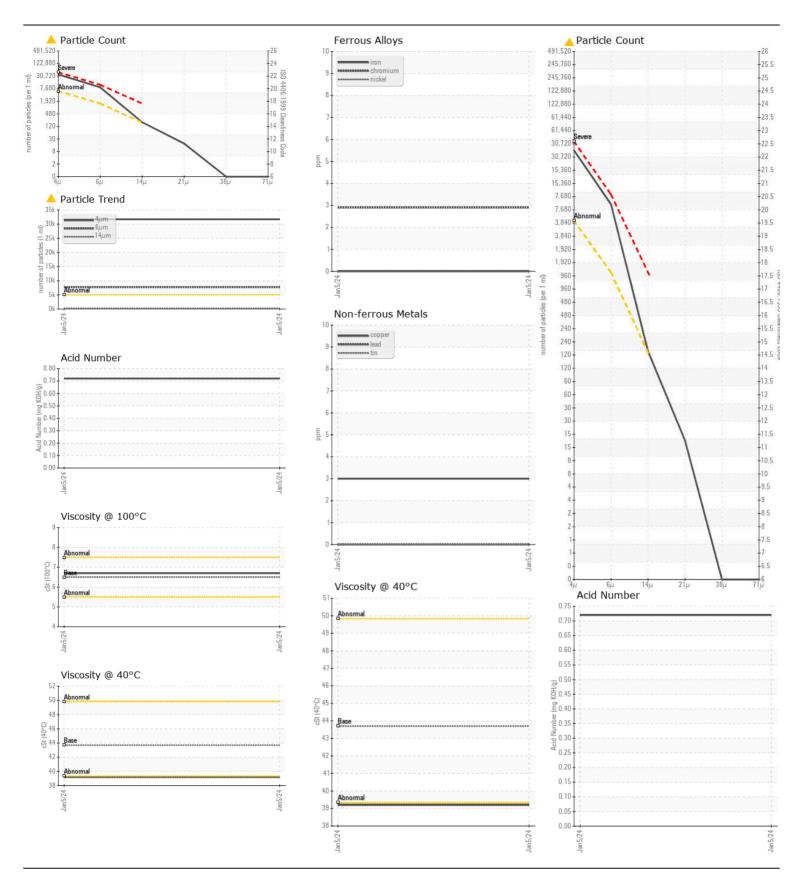
NORMAL ABNORMAL NORMAL

CATERPILLAR 972M L07 L8E00207

Component Hydraulic System

CHEVRON RANDO HD 46 (14 GAI)

CHEVRON RANDO HD 46 (14 GAL)					.,		
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		TR06065589		
No corrective action is recommended at this time. Resample at the next service interval to monitor. Please note that this is a corrected copy for laboratory data update for AN.	Sample Date		Client Info		05 Jan 2024		
	Machine Age	hrs	Client Info		9343		
	Oil Age	hrs	Client Info		1118		
	Filter Age	hrs	Client Info		1118		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Changed		
	Sample Status				ABNORMAL		
WEAR All component wear rates are normal.	Iron	ppm	ASTM D5185m		0		
	Chromium	ppm	ASTM D5185m		3		
	Nickel	ppm	ASTM D5185m	>10	0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>10	0		
	Lead	ppm	ASTM D5185m		0		
	Copper	ppm	ASTM D5185m		3		
	Tin	ppm	ASTM D5185m	>10	0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTANUATION	O'!!		AOTM DE 40E				
CONTAMINATION	Silicon	ppm	ASTM D5185m		4		
There is a high amount of silt (particulates < 14 microns in size) present in the oil.	Potassium	ppm	ASTM D5185m		0		
	Water		WC Method		NEG		
	Particles >4µm		ASTM D7647		<u>▲</u> 31692		
	Particles >6µm		ASTM D7647		<u>▲</u> 7729		
	Particles >14μm		ASTM D7647		166		
	Particles >21µm		ASTM D7647		16		
	Particles >38μm		ASTM D7647		0		
	Particles >71μm				0		
	Oil Cleanliness		ISO 4406 (c)		<u>A</u> 22/20/15		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor Emulsified Water	scalar	*Visual *Visual	NORML	NORML		
	Emuisined water	Scalar	visuai	>0.1	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		1		
I LOID CONDITION	Boron	ppm	ASTM D5185m		0		
The AN level is acceptable for this fluid. The condition of the oil is	Barium	ppm	ASTM D5185m		0		
suitable for further service.	Molybdenum	ppm	ASTM D5185m		0		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		2		
	Calcium	ppm	ASTM D5185m		152		
	•						
	. ,			43.7			
	_						
	_						
	Phosphorus Zinc Sulfur Acid Number (AN) Visc @ 40°C Visc @ 100°C Viscosity Index (VI)	ppm ppm ppm mg KOH/g cSt cSt Scale	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D8045 ASTM D445 ASTM D445 ASTM D2270	6.5	677 850 1623 0.72 39.2 6.7 126	 	





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: TR06065589 : 06065589 : 10836971

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 19 Jan 2024 Diagnosed : 23 Jan 2024

Diagnostician : Angela Borella Test Package : MOB 2 (Additional Tests: KV100, VI)

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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