OIL ANALYSIS REPORT

WEAR CONTAMINATION FLUID CONDITION **NORMAL NORMAL NORMAL**

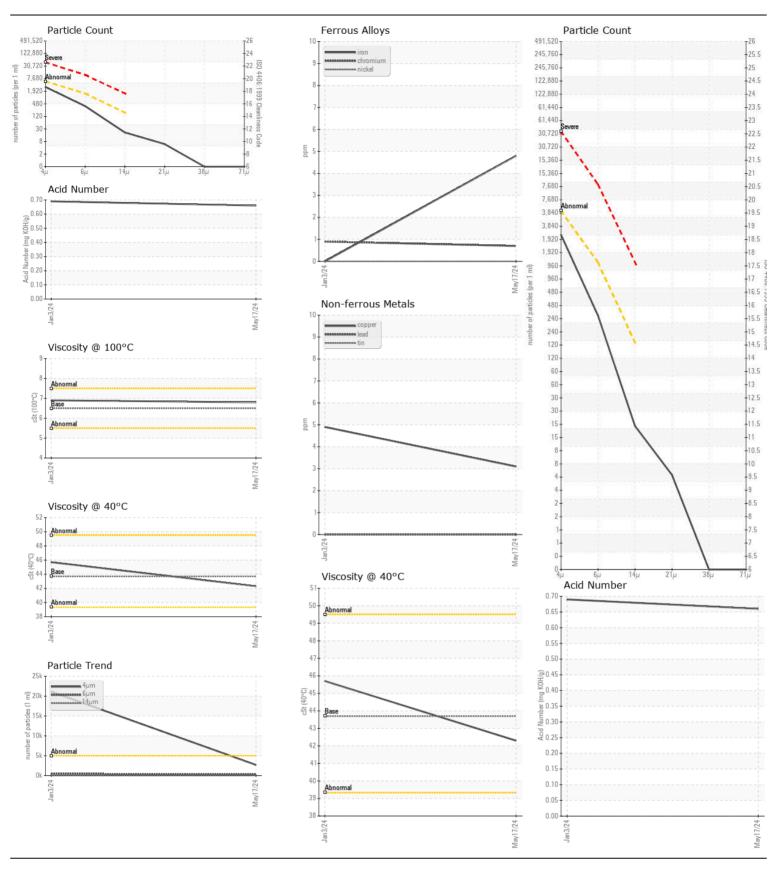
Machine Id

CATERPILLAR 966H 966H-L06 A6D00520

Hydraulic System

CHEVRON RANDO HD 46 (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR06195890	TR06065592	
	Sample Date	bvo	Client Info		17 May 2024	03 Jan 2024 26592	
	Machine Age Oil Age	hrs hrs	Client Info		27081 495	1683	
	Filter Age	hrs	Client Info		495	1683	
	Oil Changed	1113	Client Info		Not Changd	Changed	
	Filter Changed		Client Info		Not Changd	Changed	
	Sample Status				NORMAL	ABNORMAL	
WEAR	Iron	ppm	ASTM D5185m	>20	5	0	
	Chromium	ppm	ASTM D5185m	>10	<1	<1	
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>10	0	0	
	Titanium	ppm	ASTM D5185m		0	0	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m	>10	<1	0	
	Lead	ppm	ASTM D5185m		0	0	
	Copper	ppm	ASTM D5185m		3	5	
	Tin	ppm	ASTM D5185m	>10	0	0	
	Vanadium White Metal	ppm	ASTM D5185m	NONE	<1 NONE	0	
	White Metal Yellow Metal	scalar	*Visual	NONE NONE	NONE NONE	NONE NONE	
		scalar	visual	NONE	NONE	INOINE	
CONTAMINATION	Silicon	ppm	ASTM D5185m		1	2	
The system cleanliness is acceptable for your target ISO 4406	Potassium	ppm	ASTM D5185m		<1	0	
cleanliness code. The system and fluid cleanliness is acceptable.	Water		WC Method		NEG	NEG	
	Particles >4µm		ASTM D7647		2680	<u>^</u> 21115	
	Particles >6µm		ASTM D7647		324	482	
	Particles >14µm Particles >21µm		ASTM D7647 ASTM D7647		18 5	17 6	
	Particles >38µm		ASTM D7647		0	0	
	Particles >71µm		ASTM D7647		0	0	
	Oil Cleanliness		ISO 4406 (c)		19/16/11	<u>^</u> 22/16/11	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		3	2	
	Boron	ppm	ASTM D5185m		<1	0	
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		<1	0	
	Manganese	ppm	ASTM D5185m		0	<1	
	Magnesium	ppm	ASTM D5185m		11	15	
	Calcium	ppm	ASTM D5185m		188	146	
	Phosphorus	ppm	ASTM D5185m		517 665	569 715	
	Zinc	ppm	ASTM D5185m		665	715	
	Sulfur Acid Number (AN)	ppm mg KOH/g	ASTM D5185m ASTM D8045		1442 0.66	1311 0.69	
	Visc @ 40°C	cSt	ASTM D8045 ASTM D445	43.7	42.3	45.7	
	Visc @ 40 C	cSt	ASTM D445		6.8	6.9	
	¥100 @ 100 O	500	, to this DTTO	0.0	116	106	





Laboratory Sample No.

: TR06195890 Lab Number : 06195890

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

Unique Number : 11058013 Diagnosed Test Package : MOB 2 (Additional Tests: KV100, VI)

: 02 Jun 2024

: 30 May 2024

: 02 Jun 2024 - Wes Davis

Contact: RON GROGAN

T: (509)590-0437

BARR-TECH COMPOSTING

9117 KALLENBERGER RD N

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) SPRAGUE, WA

US 99032

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