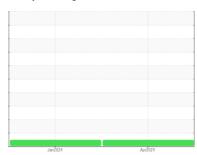


OIL ANALYSIS REPORT

Sample Rating Trend







3191 Component Pump Fluid CHEVRON RANDO HD 68 (200 GAL)

DIACNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Machine Id

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

			Jan 2024	Apr2024		
			SHEUZT	Афігост		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0880081	WC0743506	
Sample Date		Client Info		24 Apr 2024	10 Jan 2024	
Machine Age	hrs	Client Info		4289	4036	
Oil Age	hrs	Client Info		250	4036	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	0	3	
Chromium	ppm	ASTM D5185m	>5	0	<1	
Nickel	ppm	ASTM D5185m	>5	0	0	
Titanium	ppm	ASTM D5185m	>3	0	<1	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>7	0	2	
Lead	ppm	ASTM D5185m	>12	0	0	
Copper	ppm	ASTM D5185m	>30	<1	2	
Tin	ppm	ASTM D5185m	>9	<1	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	<1	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m		0	2	
Calcium	ppm	ASTM D5185m		32	51	
Phosphorus	ppm	ASTM D5185m		271	359	
Zinc	ppm	ASTM D5185m		379	418	
Sulfur	ppm	ASTM D5185m		2798	2677	
CONTAMINANTS		method	limit/base	current	history1	history2
		ASTM D5185m		2	3	1113101 y 2
Silicon Sodium	ppm	ASTM D5185m	>60		0	
	ppm		00	1	1	
Potassium	ppm	ASTM D5185m ASTM D6304		0 NEC		
Water	%			NEG	NEG	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	547		
Particles >6µm		ASTM D7647	>1300	59		
Particles >14μm		ASTM D7647	>160	7		
Particles >21μm		ASTM D7647		2		
Particles >38μm		ASTM D7647	>10	0		
Particles >71μm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/13/10		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
A a al Alicenda a v. (AAI)		A OTA A DOG 45			0.05	

Acid Number (AN)

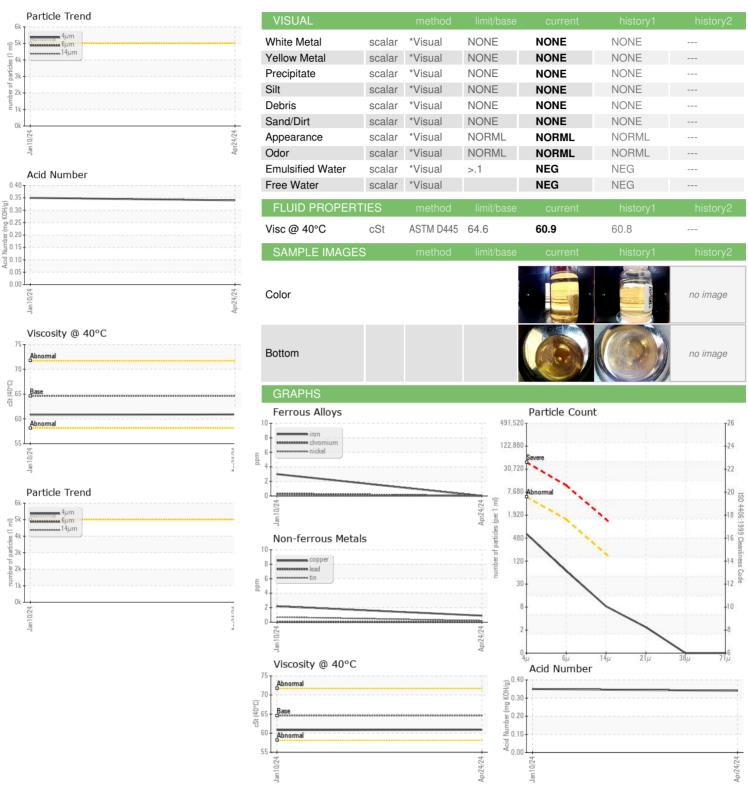
mg KOH/g ASTM D8045

0.35

0.34



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06161409 Unique Number : 10996832

: WC0880081 Test Package : PLANT

To discuss this sample report, contact Customer Service at 1-800-237-1369.

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

: 30 Apr 2024 Diagnosed : 30 Apr 2024 - Don Baldridge 15050 CHOATE CIR, SUITE E CHARLOTTE, NC US 28273

Contact: PETER SCHIRK pschirk@efactor3.com T: (704)944-3232

 st - 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)

F: (704)944-3234 Contact/Location: PETER SCHIRK - EFACHA

EFACTOR3 LLC