

OIL ANALYSIS REPORT

Area PRESS **PRESS PILOT**

Tank Hydraulic System Fluid CHEVRON RANDO HD 46 (22000 GAL)

DIAGNOSIS

A Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Wear

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil.

Fluid Condition

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

			VIS DEBRIS
			
32019 Feb2020	Nov2020 Jun2021 Nov2021 May	2022 Jun2023 Feb2024	

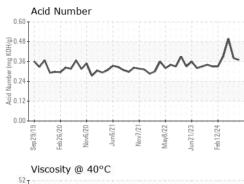
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0905628	WC06129945	WC0920366
Sample Date		Client Info		20 Apr 2024	25 Mar 2024	22 Mar 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	3	1	1
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	2	<1	<1
Tin	ppm	ASTM D5185m	>20	0	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
			IIIIII/Dase			
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		<1	<1	0
Calcium	ppm	ASTM D5185m		34	31	32
Phosphorus	ppm	ASTM D5185m		306	332	317
Zinc	ppm	ASTM D5185m		357	366	333
Sulfur	ppm	ASTM D5185m		902	881	858
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	0	0
Sodium	ppm	ASTM D5185m		0	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	<1	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000		972	1871
Particles >6µm		ASTM D7647	>1300		183	410
Particles >14µm		ASTM D7647	>160		11	30
Particles >21µm		ASTM D7647	>40		2	7
Particles >38µm		ASTM D7647	>10		0	1
Particles >71µm		ASTM D7647	>3		0	1
Oil Cleanliness		ISO 4406 (c)	>19/17/14		17/15/11	18/16/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	mg KOH/g	ASTM D8045		0.37	0.38	0.498
Acid Number (AN)	niy NOR/9	79 HVI D0043		0.37	0.00	0.430

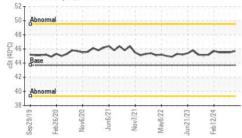
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Contact/Location: MIKE TODD - ALLMONSAF Page 1 of 2

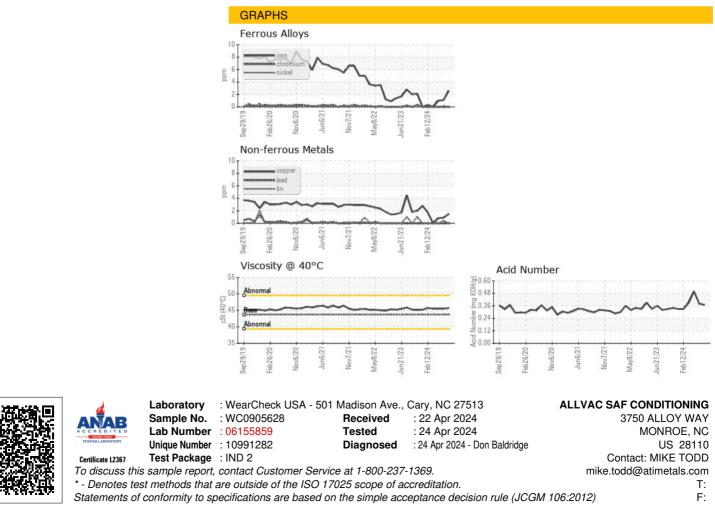


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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	A MODER	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	43.7	45.7	45.5	45.5
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color				e Antonio antonio antonio antonio	sinot Gale (platol) Tanya Kanot Mala	
Bottom						



Contact/Location: MIKE TODD - ALLMONSAF