

OIL ANALYSIS REPORT

Acid Number (AN) mg KOH/g ASTM D8045

PRESS PRESS MAIN

Tank Hydraulic System

CHEVRON RANDO HD 46 (22000 GAL)

Sample Rating Trend



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

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

Fluid Condition

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

v2019 Aug2019 Feb2020 Jul2020 May2021 Oct2021 May2022 Apr2023						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0829299	WC0655316	WC0655315
Sample Date		Client Info		25 Oct 2023	20 Sep 2023	13 Sep 2023
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				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	3	2	2
Chromium	ppm	ASTM D5185m	>20	<1	0	<1
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	0	<1
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	2	2	2
Tin	ppm	ASTM D5185m	>20	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		19	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		0	<1	<1
Calcium	ppm	ASTM D5185m		36	28	30
Phosphorus	ppm	ASTM D5185m		426	307	344
Zinc	ppm	ASTM D5185m		434	332	370
Sulfur	ppm	ASTM D5185m		1317	779	952
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0	<1	<1
Sodium	ppm	ASTM D5185m		3	0	1
Potassium	ppm	ASTM D5185m	>20	0	<1	2
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	2408	175	337
Particles >6µm		ASTM D7647	>1300	619	54	31
Particles >14μm		ASTM D7647	>160	37	7	5
Particles >21μm		ASTM D7647	>40	8	3	1
Particles >38μm		ASTM D7647	>10	0	0	0
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/16/12	15/13/10	16/12/10
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2

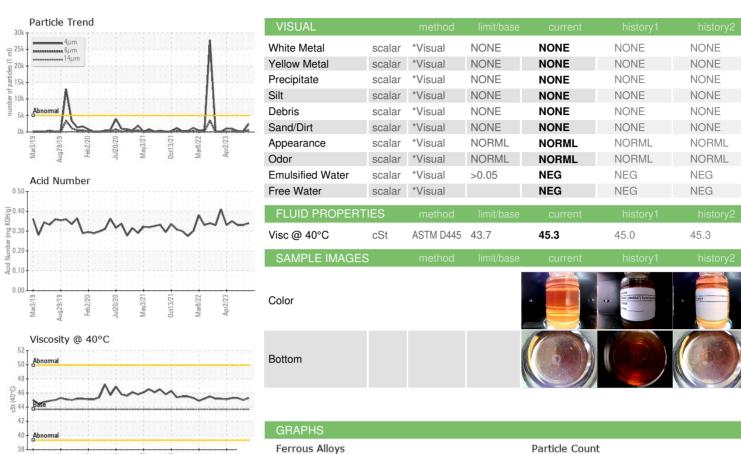
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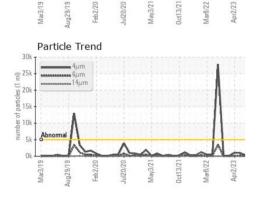
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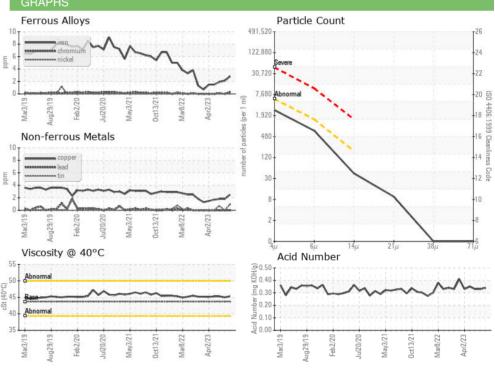
0.33



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Certificate L2367

Laboratory Sample No. Lab Number

Unique Number Test Package

: WC0829299 : 05994293 : 10722653

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Diagnosed Diagnostician : IND 2

: 31 Oct 2023 : 01 Nov 2023 : Don Baldridge **ALLVAC SAF CONDITIONING** 3750 ALLOY WAY MONROE, NC US 28110

Contact: BRIAN THORNTON brian.thornton@atimetals.com T: (704)289-4511

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

* - 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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